

19980115.qrp v00\_n971.qrs.980115

Date: Thu, 15 Jan 1998 19:03:11 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 971

QRP-L Digest 971

Topics covered in this issue include:

- 1) [946] Best tone for copying CW  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 2) [947] Re: Your Pitiful Actions  
by Ed <edn4pk@VoyagerOnline.net>
- 3) [948] Re: Your Pitiful Actions  
by "Robert P. Okas" <vintage@best.com>
- 4) [949] Pixie + TiCK = TIXIE  
by n2jgu@juno.com (Gary M Diana)
- 5) [950] Re: phased verticals  
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 6) [951] SkyTec Speaker?  
by "Tim Cook" <timcook@erinet.com>
- 7) [952] Re: What it means to copy CW at high speed  
by Hank Kohl K8DD <k8dd@contesting.com>
- 8) [953] Re: Pixie + TiCK = TIXIE  
by Roger Hightower <n7kt@earthlink.net>
- 9) [954] FT-890 pwr adjust?  
by "Tim Cook" <timcook@erinet.com>
- 10) [955] SST/40  
by Joel Malman <malman@BBN.COM>
- 11) [956] Cheap digital scope for \$59 at the Shack  
by W7LS <w7ls@blarg.net>
- 12) [957] Tixie Picture  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 13) [958] Home Brew QSL cards  
by Shephed <Shephed@aol.com>
- 14) [959] Re: Best tone for copying CW  
by n7mfb@juno.com (Bill Todd)
- 15) [960] Re: Internat Access Phone Company Surcharges????  
by "Ray Dennis" <w0dq@hotmail.com>
- 16) [961] Internet Access Charges  
by "Jim (AL7FS), Nancy (KL7NY), Juliann (WL7MP) & Issei"  
<larsennc@ALASKA.net>
- 17) [962] RE: Bright Idea Award #1; RG174U; Balun loss; c.w. tone  
by Adrian Weiss <aweiss@sunflowr.usd.edu>
- 18) [963] Re: Your Pitiful Actions  
by John Horton <jhorton@primenet.com>

- 19) [964] RE: Tuna Tin radio? / The Tuna Tin Two!!!!  
by wpc@west.net (John L. Roblin / Whiterook Products Co.)
- 20) [965] Spacers for open Feeders  
by John Anthony Reynolds <D2250077@infotrade.co.uk>
- 21) [966] Good Webb Site Antenna's  
by John Anthony Reynolds <D2250077@infotrade.co.uk>
- 22) [967] QRP AFIELD Results  
by k5zty@juno.com
- 23) [968] Re: Centennial 20 m help  
by FAITHD@dnr.state.wi.us (Don C. Faith III, AM/7, \ (608\ ) 267-3135)
- 24) [969] Proper way to tune the Tuner ???  
by "ukii" <ukii@megsinet.net>
- 25) [970] Re: Ten-Tec T-Kit 1340  
by Jim Osburn <wd9eyb@butler.qrp.com>
- 26) [971] Sierra Blue / Sierra Mods  
by Derek Brown <DBrown@RFMD.com>
- 27) [972] NO SUBJECT  
by "Brian Jones" <brian\_jones@uk.ibm.com>
- 28) [973] Tuna Tin  
by Tom Moll <tomm@xata.com>
- 29) [974] RE: Tuna Tin radio? / The Tuna Tin Two!!!!  
by Monte Stark <ku7y@sage.dri.edu>
- 30) [975] Re: Tuna Tin  
by Monte Stark <ku7y@sage.dri.edu>
- 31) [976] Re: What CW tone do you prefer?  
by Bensondj@aol.com
- 32) [977] FS: Yaesu's, 747GX and 757GX  
by Bill Acito 15-Jan-1998 1013 <acito@asdg.ENET.dec.com>
- 33) [978] TIXIE - IS IT A KIT?  
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
- 34) [979] Variable CW tone preference?  
by K5BDZ <K5BDZ@aol.com>
- 35) [980] Test message-Do Not read  
by DTUCKER <DTUCKER@Prodigy.Net>
- 36) [981] Tuna and other fishes.  
by "Caro, Carlos" <CCaro@ccs.lmco.com>
- 37) [982] Re: Bright Idea Award #1; RG174U; Balun loss; c.w. tone  
by "Bob Kellogg" <ae4ic@nr.infi.net>
- 38) [983] Re: Internet Access Charges  
by Erin Scott <ekscott@ibm.net>
- 39) [984] Re: Internet Access Charges  
by Jim Parsons <k5rov@worldnet.att.net>
- 40) [985] Re: Internet Access Charges  
by Monte Stark <ku7y@sage.dri.edu>
- 41) [986] Re: Best Tone for Copying CW  
by Chris Cartwright <ccart@dns.vidtel.com>
- 42) [987] Re: Internet Access Charges  
by "Ron Smith" <resmith@primenet.com>

- 43) [988] PIXIE2 Sensitivity Response  
by Ed Loranger <we6w@qsl.net>
- 44) [989] HighSpeed CW & Terminals  
by Monte Stark <ku7y@sage.dri.edu>
- 45) [990] Tuna Tin 2 Revisited  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 46) [991] QQ arrives in Dos Palos, Wow!!  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 47) [992] Re: HighSpeed CW & Terminals  
by Roger Hightower <n7kt@earthlink.net>
- 48) [993] RE: What CW tone do you prefer?  
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 49) [994] TIXIE??!!! OH, NO, SAVE ME!....  
by doug hauff <slmachco@fix.net>
- 50) [995] battery query  
by jim nestor <nestoji@home.com>
- 51) [996] Re: battery query  
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 52) [997] Wanted: QRP Rig  
by Bob Hightower <ki7mn@dancris.com>
- 53) [998] FOX Log 1/13  
by Bob Hightower <ki7mn@dancris.com>
- 54) [999] Re: Bright Idea Award #1; RG174U; Balun loss; c.w. tone  
by Steve Galchutt <n0tu@webaccess.net>
- 55) [1000] Re: Internet Access Charges  
by Erin Scott <ekscott@ibm.net>
- 56) [1001] Parts source  
by Bob Tellefsen-CNSE97 <Bob\_Tellefsen-CNSE97@email.mot.com>
- 57) [1002] Sidetone pitch  
by Bob Tellefsen-CNSE97 <Bob\_Tellefsen-CNSE97@email.mot.com>
- 58) [1003] Re:Homebuilt key  
by wsmith@cyberdrive.net (Wayne A. Smith)
- 59) [1004] Re: Internet Access Charges  
by "Ron Smith" <resmith@primenet.com>
- 60) [1005] What a Great Day...  
by "Paul R. Valko" <prvalko@oakland.edu>
- 61) [1006] Re: Sierra Blue / Sierra Mods  
by Kory Hamzeh <kory@avatar.com>
- 62) [1007] Re: Sierra Blue / Sierra Mods  
by talljazz@teleport.com (Dan Presley)
- 63) [1008] Backpack Rig Advice = THANKS!  
by mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
- 64) [1009] Re: re.:Baluns,tuners,loss,etc.  
by "Bob Kellogg" <ae4ic@nr.infi.net>
- 65) [1010] Re: Best Tone for Copying CW  
by ea8yu Goran <rodriguez@jet.es>
- 66) [1011] 6 meter operation  
by "JUNIUS B FOX" <w5hir@gte.net>

- 67) [1012] Re: Internet Access Charges  
by "Ron Smith" <resmith@primenet.com>
- 68) [1013] re: Compact Loop Antenna's (DCTL)  
by "Michael Babineau" <babineau@nortel.ca>
- 69) [1014] Re: Best Tone for Copying CW  
by "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
- 70) [1015] Six meters - the MAGIC BAND!  
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 71) [1016] QRP XMTR  
by ARDUJENSKI <ARDUJENSKI@aol.com>
- 72) [1017] Mechanical Filters; Homebrew?  
by Ed Loranger <we6w@qsl.net>
- 73) [1018] RG174 versus balanced feeder  
by ea8yu Goran <rodriguez@jet.es>
- 74) [1019] Re: battery query  
by Steven Weber <kd1jv@moose.ncia.net>
- 75) [1020] Re: Tuna Tin 2 Revisited  
by Monte Stark <ku7y@sage.dri.edu>
- 76) [1021] KE3FL Programs Available  
by Philip Karras <ke3fl@yahoo.com>
- 77) [1022] TunaTin2 Circad File  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 78) [1023] Re: Parts source  
by "Phil, K6LS" <k6ls@prolynx.com>
- 79) [1024] Re: Mechanical Filters; Homebrew?  
by "Phillips Richard" <phillips@msoe.edu>
- 80) [1025] Re: 6 meter operation  
by "Phil, K6LS" <k6ls@prolynx.com>
- 81) [1026] Re: QQ arrives in Dos Palos, Wow!!  
by Monte Stark <ku7y@sage.dri.edu>
- 82) [1027] VENDORS SITE  
by ARDUJENSKI <ARDUJENSKI@aol.com>
- 83) [1028] Re: re.:Baluns,tuners,loss,etc.  
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 84) [1029] Re: What CW tone do you prefer?  
by "Ronald Hands" <rhands@hwc.org>
- 85) [1030] Re: Tuna Tin (can) radio?  
by n2beg@juno.com (Douglas E. Stewart)
- 86) [1031] Re: battery query  
by K5BDZ <K5BDZ@aol.com>
- 87) [1032] Re: Internet Access Charges  
by "Ray Lowe" <wd5dhk@hotmail.com>
- 88) [1033] Web page links are mixed up  
by Elmar Vaheer <ekv@erols.com>
- 89) [1034] Re: Internet Access Charges  
by Bob Hightower <ki7mn@dancris.com>
- 90) [1035] English before writing, and other matters!  
by Mel Evans <MelEvansGM6JAG@compuserve.com>

- 91) [1036] Sidetones, antennas, loops, badgers & critical readings &c  
by nilsbull@juno.com
- 92) [1037] info on SUNAIR GSB 900 TCVR wanted  
by Stephen John Farthing <stephen@stevef.demon.co.uk>
- 93) [1038] PCB Board program (again...)  
by Steven Ciciora <scicior@uswest.com>
- 94) [1039] Re: Internet Access Charges  
by "Ken Hanks" <kennfd@ibm.net>
- 95) [1040] Re: RG174 versus balanced feeder  
by Joe Gervais <vole@primenet.com>

-----  
Date: Wed, 14 Jan 1998 17:13:22 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: qrp-l@Lehigh.EDU  
Subject: [946] Best tone for copying CW  
Message-ID: <199801150012.RAA17326@edison.chisp.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

First principle in pitch for me is matching the offset so that I can use the side-tone for zero beating. Many rigs (perhaps just the one I used for so long before I started building [g]) use a 700Hz offset and/or sidetone, so that's what I've standardized on.

Another factor that often gets overlooked is the effect on speakers--most ordinary "general purpose" speakers, e.g. those found in radios, are "mid range" speakers to use stereo terminology, covering the middle ranges from around 500 Hz or so up to where a tweeter would take over if you're talking hi-fi. ANYHOW, the point is that 700Hz is at the very low edge of the speaker's spec'd range. And most ordinary speakers aren't designed to handle any amount of power on a single pitch (sine wave) whether on the edges of the range or not.

So if, as I did, you want to hook up a big-ass speaker to an amplifier for "demo" purposes at events, you will probably do well to either find a PA speaker (much more robust, over a narrower range) or build an external mechanical resonator, or both.

Apart from the pitch telling me where I am in terms of VFO frequency, I don't much care, as long as it's easily audible. An example of how that one can work is mobile, where some frequencies are just killed by road noise, so I often use the RIT to bring the pitch up or down considerably.

There. .02 worth from me. At this rate there will certainly be multi

dollar's worth on this reflector!

73

Marshall Emm

N1FN/VK5FN

n1fn@mtechnologies.com

Milestone Technologies

Software, kits, tools...

<http://www.mtechnologies.com>

(303)752-3382

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-----  
Date: Wed, 14 Jan 1998 19:13:14 -0500  
From: Ed <edn4pk@VoyagerOnline.net>  
To: rschneid@ix16.ix.netcom.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [947] Re: Your Pitiful Actions  
Message-ID: <34BD549A.437C658D@VoyagerOnline.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I second that. Being or not being a Ham has nothing to do with  
the actions taken. Does any one care whether or not the poor  
person of the flame has any feelings. For shame on us...Ed  
N4PK

-----  
Date: Wed, 14 Jan 1998 17:05:55 -0800 (PST)  
From: "Robert P. Okas" <vintage@best.com>  
To: qrp-l@Lehigh.EDU  
Subject: [948] Re: Your Pitiful Actions  
Message-ID: <Pine.BSF.3.96.980114170524.5926A-100000@shell14.ba.best.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

!!! U N C L E !!!

Date: Wed, 14 Jan 1998 20:01:05 -0500  
From: n2jgu@juno.com (Gary M Diana)  
To: qrp-l@Lehigh.EDU  
Cc: embres@frontiernet.net, n2jgu@juno.com, wb8ygg@juno.com  
Subject: [949] Pixie + TiCK = TIXIE  
Message-ID: <19980114.200213.6886.9.n2jgu@juno.com>

Hello All -

Well Doug KI6DS let the cat out of the bag... (it's a good thing he uses his powers of persuasion for good, because he could cause an awful lot of evil with them!)

We got an early copy of Chuck K1CL's article on integrating the Pixie with the TiCK, and designed a board called the TIXIE.

The boards are being made as I type, and we should have them in about a week. You're going to like this board, it's roughly 3"x3" and the parts are spread out (i.e. LOTS of room for changes and mods). In addition, the TiCK's pushbutton, keyline, and paddle jacks are board-mounted for ease of construction.

Take a peek at the following link if you want to get a sneak preview of a prototype TIXIE:

<http://www.frontiernet.net/~embres/p422sm.jpg>

We will have prices and a webpage link posted in a few days, along with a more informative announcement here.

73 for now...

- Gary N2JGU / Brad WB8YGG  
Embedded Research  
<http://www.frontiernet.net/~embres>  
[embres@frontiernet.net](mailto:embres@frontiernet.net)

-----  
Date: Wed, 14 Jan 1998 20:20:49 -0500 (EST)  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
To: Joe Everhart <n2cx@voicenet.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [950] Re: phased verticals  
Message-ID: <Pine.SOL.3.94.980114201515.14229C-100000@moe>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

If you cannot drink all that beverage or solder the aluminum cans we now use to get a set of full size 40-meter verticals, there is an arrangement for 3 shortened 40-meter vertical dipoles described at my website. It uses parasitical relations. The dipoles are set up for using a beta match coil at the feed point. The unfed verticals see the coil as a small load, increasing their electrical length and improving parasitical reflector dimensions. 3 directions are all that are needed, since the half-power points are 135 degrees spaced for any given element used as the driver.

Just another approach to the same goal. In general, parasitical arrangements will yield slightly more gain, but with less front-to-back ratio. Phased nulls are nice, but very narrow in width. Hence, for many (but not all) applications, 10-20 dB F-B works quite well.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\ /\ *	/ / /	(Off) (423) 974-7215
1434 High Mesa Drive	/ \/\ \/\	----/\---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\ \ \ \ /	/ /    /	(FAX) (423) 974-3509
37938-4443 USA	/ \ \ \ \		cebik@utk.edu

URL: <http://funnelweb.utcc.utk.edu/~cebik/radio.html>

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Date: Wed, 14 Jan 1998 20:50:08 -0500  
 From: "Tim Cook" <timcook@erinet.com>  
 To: "QRP" <qrp-1@Lehigh.EDU>  
 Subject: [951] SkyTec Speaker?  
 Message-ID: <01b001bd2157\$e9492c00\$897f5acf@timcook.erinet.com>  
 MIME-Version: 1.0  
 Content-Type: text/plain;  
     charset="iso-8859-1"  
 Content-Transfer-Encoding: 7bit

I just picked up a speaker called a Skytec. Ist appears to be made out of 3" or so PVC pipe. the guy said it was for CW... Anyone familiar with this ? I havn't hooked it up yet to see how it sounds, I have to make up a cord for it.

Thanks  
 Tim  
 NZ8J



-----  
Date: Wed, 14 Jan 1998 20:52:52 -0500  
From: Hank Kohl K8DD <k8dd@contesting.com>  
To: rodriguez@jet.es  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [952] Re: What it means to copy CW at high speed  
Message-ID: <3.0.1.32.19980114205252.00cc01ec@192.0.0.1>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 09:53 PM 1/13/98 +0000, ea8yu Goran wrote:

>  
>  
>But what do you do about callsigns (not your own, of course) when  
>copying  
>high speed?  
>  
>Saludos  
>Goran   ea8yu  
>

Most calls are short and assuming the ops ability to copy behind, the  
call  
is in the mental buffer. In a contest they usually send the call once  
and  
wait 3-5 seconds and send it again.

And most calls are short. 3 to 6 characters, normally. (W6W or LU8X to  
calls like JJ1QQY). Still, most ops can get the call in the mental  
buffer.

Then comes the portable calls - K8DD/C6A - had a bit of trouble with  
that  
when I was looking for hams calling CQ, but not too bad. Consider calls  
like HB0/DL4AB0/P ..... Exceeds a lot of mental buffers!

Most times it is easy, even at 35+ wpm to get the other call, as long  
as it  
is a "normal" call.

This has been a neat thread!

73     Hank     K8DD

\* / Hank Kohl K8DD k8dd@contesting.com  
\* / ARRL TS (k8dd@tir.com)  
\* / MI-QRP - Vice Pres. QRP-ARCI - Director  
\* / G-QRP ARRL/LM QCWA/LM QCAO/LM

-----  
Date: Wed, 14 Jan 1998 19:02:08 +0000  
From: Roger Hightower <n7kt@earthlink.net>  
To: n2jgu@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [953] Re: Pixie + TiCK = TIXIE  
Message-ID: <34BD0BB0.BFC10F78@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

OH, my! That looks interesting. Lots of room, but if it could be  
shrunk, it might fit inside a "Zippo" case...just flip the top open to  
reach the connectors.

--

72/73, de Roger, N7KT

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Date: Wed, 14 Jan 1998 21:30:02 -0500  
From: "Tim Cook" <timcook@erinet.com>  
To: "QRP" <qrp-1@Lehigh.EDU>  
Subject: [954] FT-890 pwr adjust?  
Message-ID: <01d601bd215d\$7c3eaf80\$897f5acf@timcook.erinet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi,  
since I had so many responses about the Skytec speaker, I thought I would  
ask if anyone knows if there is an adjustment for the low power on a Yaesu  
FT-890? It will adjust from about 110watts to 1.5watts with the front panel  
adjustment, but I would like it to go down to below 1w using the rf pwr  
adjust. Any suggestions?  
Thanks  
tim

-----  
Date: Wed, 14 Jan 98 21:07:21 EST  
From: Joel Malman <malman@BBN.COM>  
To: qrp-1@Lehigh.EDU  
Subject: [955] SST/40  
Message-ID: <199801150237.VAA110734@nss4.cc.Lehigh.EDU>

Folks,

I was playing around with my 2 watt SST 40 meter rig tonight. There was not a lot of activity on 40 meters. The USSR beacons on about 7039 were RST 439 -- about average or a little lower.

So, I decide to send out a CQ, about 20 wpm. Hey, if anyone answers it's OK by me. No reponse. Try again. W5YA club station responds. They are in NM, only a few thousand miles away, and also running 2 watts. Ah, QRP .. you gotta love it.

/joel    wa1qvm    wa1qvm@bbn.com    (QTH: Concord, Massachusetts)

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Date: Wed, 14 Jan 1998 18:44:14 -0800  
From: W7LS <w7ls@blarg.net>  
To: qrp-1@Lehigh.EDU  
Subject: [956] Cheap digital scope for \$59 at the Shack  
Message-ID: <34BD77FE.19E1@blarg.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi, gang. I don't work for the Shack, BTW. They are closing out their little Probescope thing that was \$99 for \$59, now. It is useful as a general A/D input for a pooter. The software interface is klunky and frustrating. I suggest using the disk as a doily (sp?) and using the probe as a general purpose A/D. It spouts 19.2 KB, 7 bits, no parity, one stop bit.

I turned on the terminal program I use (Telix) to those settings and watched the data stream in. It would be simple to write a BASIC program to sniff the serial port (where the data comes in) and act upon it, as you wish. I saved the stream and looked at it with a file manager program and you can easily see the 6 bits of data, right there.

I think I'll finally get around to making a digital qrp wattmeter with it. I'll make a dummy load, hook this beast onto it, and write a

BASIC program to take the rms value (works up to 5 MHz directly), square it, divide by 50, yada-yada-yada and display the result.

Looks like a good, or at least good for 60 bucks, anyway, gizmo to have around the shack.

73 de Jim, W7LS

BTW, it has software for the IBM machines, but data is data, so it will work with Macs, old Tandy pooters, whatever.

-----  
Date: Wed, 14 Jan 1998 18:54:34 -0800  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: qrp-1@Lehigh.EDU  
Subject: [957] Tixie Picture  
Message-ID: <3.0.1.32.19980114185434.00d1b3d4@dpol.k12.ca.us>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gary, great shot of the Tixie on your web page. I especially like the background. You have a real eye for detail and know how to take a photo. The purple really sets off the rig. Won't let the list in on the secret, they have to see it for themselves.

Here is the URL:

<http://www.frontiernet.net/~embres/p422sm.jpg>

Nice job on the layout Brad and Gary, we are anxious for more information.  
72, Doug, KI6DS

-----  
Date: Wed, 14 Jan 1998 21:54:55 EST  
From: Shephed <Shephed@aol.com>  
To: qrp-1@Lehigh.EDU  
Subject: [958] Home Brew QSL cards  
Message-ID: <5e4b5566.34bd7a89@aol.com>  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Ok everyone the graphic is up on my page.

<http://members.aol.com/shephed/n8vzu.htm>

PLEASE excuse any spelling errors as it was posted in haste. :-) I will update the page this weekend with better pics and a few pieces of clipart.

I also would like feedback on the graphic, even flames. ;-)  
I hope you all find it useful.

72,73  
Dan,N8VZU  
QRP-L #1404  
shephed@aol.com

-----  
Date: Wed, 14 Jan 1998 22:28:22 EST  
From: n7mfb@juno.com (Bill Todd)  
To: mgemm@mtechnologies.com  
Cc: qrp-l@Lehigh.EDU  
Subject: [959] Re: Best tone for copying CW  
Message-ID: <19980114.192655.4863.0.n7mfb@juno.com>

Hi Marshall -

Bill - N7MFB here from my school E-mail account.

You're right about the 700 pitch being at the low end of the audio range for most of those cheapo transistor-type speakers.

When I was doing a lot of mobil CW work, I always used a Rat Shack PA type speaker inside the car. It worked a great deal better than the internal speaker on the old IC-735.

CUL, Bill-N7MFB

-----  
Date: Wed, 14 Jan 1998 20:27:36 PST  
From: "Ray Dennis" <w0dq@hotmail.com>  
To: edhill@bellsouth.net  
Cc: qrp-l@Lehigh.EDU  
Subject: [960] Re: Internat Access Phone Company Surcharges????  
Message-ID: <19980115042737.1823.qmail@hotmail.com>  
Content-Type: text/plain

>Date: Mon, 12 Jan 1998 10:28:02 -0500  
>Reply-To: edhill@bellsouth.net  
>From: edhill <edhill@bellsouth.net>  
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

>Subject: Re: Internat Access Phone Company Surcharges????

>

>Paul Helbert wrote:

 $\gamma$ 

```
>> passing along unfounded rumors. The idea is alarming and plausible.
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```
>> Does anyone have anything to substantiate it? If so, I'll sure work
>> against it, but not until then.
```

&gt;&gt;

>Hold on to your hats! It may be too late.

>Saturday I received a mail notice from Bellsouth,  
>here in Atlanta.

>The notice basically said:

>

 $\sim$ 

7

✓

7

2

1.

✓

>Just wait til you get your notice in the mail.

>I know this is off ORP topic, but it does affect us all.

 $\succ$ 

✓

\_\_\_\_\_

[illegible]

```
>Ed Hill edhill@bellsouth.net KE4JCG
```

 $\gamma$

Rush Limbaugh has been talking about "this new tax" for months. It is going to the government to provide Internet access to schools. What's worse yet is that Congress will not allow the phone companies to break this fee down and disclose to you exactly what it is for.

Wasn't there some tea dumped in the Boston Harbor over a similar situation?

Ray Dennis W0DQ

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Wed, 14 Jan 1998 19:49:37 -0900  
From: "Jim (AL7FS), Nancy (KL7NY), Juliann (WL7MP) & Issei" <larsennc@ALASKA.net>  
To: qrp-1@Lehigh.EDU  
Subject: [961] Internet Access Charges  
Message-ID: <34BD9561.2F81@alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Check out

<http://techweb.cmp.com/cw/telepath/17biz2.htm>

Especially read the last 8 paragraphs. This is a current subject. It also was a valid topic last year. I don't believe this topic is a hoax but the impact may be overstated. I guess it depends how long you stay on line.

I don't like paying extra for a local call.

73, Jim, AL7FS

--

Jim Larsen  
Acupressure Anchorage  
Anchorage, Alaska

-----  
Date: Thu, 15 Jan 1998 00:16:46 -0600 (CST)  
From: Adrian Weiss <aweiss@sunflowr.usd.edu>  
To: QRP-L@listserv.lehigh.edu

Subject: [962] RE: Bright Idea Award #1; RG174U; Balun loss; c.w. tone  
Message-ID: <Pine.SOL.3.94.980114232637.27917A-100000@sundance>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi gang:

Some misc. comments.

1) Bright Idea Award #1 goes to Mike, KE4HLU, for solving my age-old problem of launching sinkers into orbit with no chance of recovery. His technique: tie a piece of ribbon to the line or sinker. Now, many of you probably will not find this worthy of the Award. But in about 42 years of hamming, this is one of those few that stopped me dead in my mental tracks with its utter simplicity and effectiveness and made me wonder how I ever came to write QRP articles let alone e-mails! So, I stopped at the local Coast-Coast to buy a new sinker to try out the idea -- they didn't have the right kind. Tomorrow, another store...

2) LB W4RNL listed a few comments about which kind of antenna tuner to use for which kind of setup. He drew attention to the fact that, when balanced line is used, a balanced tuner should be used, that is, one in which the feedline is connected to a basic circuit consisting of an inductor in parallel with a capacitor, coupled to the transmitter via a link coil. Various sophistications usually are applied. The link coil is placed in series with a capacitor to ground to substitute for physically adjustable link position and magnitude of mutual coupling, or something like that. The output inductance is center-tapped to ground, and a dual section capacitor, stators to ground is paralleled with it. Taps along the two sides of the inductor permit inserting the balanced line at the right impedance point etc.

As LB pointed out, baluns introduce loss, regardless of the circuit in which they appear. The common approach is to feed the output of a "Tee" or "L" or other circuit to a 4:1 balun, and connect the feedline to the "balanced" side of the balun (remember where the term came from - "balanced to unbalanced"). One inherent problem in this setup is: what is the "4" being transformed down to the "1", which is presumably somewhere in the range which the unbalanced-to-unbalanced circuit can handle. Another problem is the nature of the "4" -- if it were a purely resistive impedance, not too much of a problem. But it is a complex impedance. The balun transforms the reactive component as well as the resistive component, i.e., the "R" and the "+/-j". Bear in mind that the balun is actually a compressed version of a transmission line made possible by the "magnification" aspect of the toroid core material, i.e., you only need 11t on a core, but 23 air-wound. Now, if you check what happens to the "+/-j" on typical graphs of xmsn lines terminated in such



and such a load, you'll notice that near the quarter-wave points, the  $+/-j$  component varies enormously, although fairly smooth for the rest of the run. The point is that once you connect the balanced line to the balun, you can end up with a really "wild" complex impedance. Oftentimes, you can still achieve a low SWR -- even a 1:1 with a balun-assisted "Tee" or such. But, what is actually happening is that the balun is dissipating the reflected energy in the core. MOre knowledgeable types out there -- feel free to correct me on this explanation of the theory.

In any event, the real question is: "How much loss?". It varies, of course. The toroid core material sets the lower/upper frequency limits across which the balun will function as a transmission line. The impedance at the end of the transmission line varies on different bands. etc. The only way to determine the actual loss is by measurement. One could do this in the lab -- feeding various combination of resistors/capacitors to simulate transmission-line impedances, and measure inputs vs. outputs. I've always preferred the outdoors method using field-strength measurements because I'm really interested in radiated power. A while back, I compared two tuners: A was the old AC5 balanced line job -- TenTec produced it as a companion to the Argo 505. I've never liked the thing for two reasons:

1) the taps on the inductor are spaced 5-turns -- and 5 turns is a whole lot of inductance! Not much finesse in fine-tapping here! So, I resorted to squeezing the tips of two paper clips between turns to get the fine-tapping that is usually needed -- hoping that the alligator-clip leads wouldn't pull them out from their rather tenuous locations.

2) for some reason, TenTec got around the link-coil coupling by connecting the input coax across the center 5 turns. This adds to the lack of fine-tuning -- you either get the right combination of paper-clip insertion and parallel capacitor tap points, or you live with a 2:1 SWR.

Tuner B is a well-bult commercial unit with the balun.

For measurements, a calibrated wattmeter monitored power fed into the tuners, and a simple field-strength meter connected to a pick-up wire outside monitored the field strength. Power into the tuners was kept constant. A reading was taken with tuner A peaked, then a reading for tuner B. Then the power to tuner A was backed off until it reached the f.s. reading for tuner B. Then the difference in dB was calculated.

The results were interesting: loss in tuner B attributable to the balun, with a 1:1 SWR obtained on all bands, was:

80m = 2.dB; 40m = 1dB; 20m = 1.7dB; 15m = 6.6dB

I was unable to reach a low SWR with tuner A on 40m, so the 1dB would have

been slight worse since this represents output from tuner A at a 2:1 SWR.

Now, the choice on 15m is obvious. It illustrates the kind of loss that can occur in the balun assisted tuner. I won't speculate on why it occurred at this magnitude on 15m. I didn't check 10m.

At any rate, the choice is between ease of bandswitching with the balun-assisted, or the relative gain that occurs along with the messing around adjusting taps with tuner A. I go for the gain myself.

On copying c.w. -- I watched the old 160-hound Ernier K1PBW many times copy DX signals that I could not hear. In fact, when I worked a DX-pedition on Heard Island or somewhere on 160m back in the late '60s, I could not even tell that a signal was present in the mud. He copied them over my shoulder and told me when to go. His explanation: you don't listen for a tone. You detune your auditory perceptors and listen to the noise. It is a different "color" when the dots and dashes are there. I try that all the time -- sometimes it works and sometimes it doesn't. For example, last night I knew there was a FOX and when he was transmitting, but I rarely ever heard a tone. Didn't make any difference -- I couldn't copy!

73 all  
Ade W0RSP

-----  
Date: Thu, 15 Jan 1998 12:00:11 -0700  
From: John Horton <jhorton@primenet.com>  
To: rschneid@ix16.ix.netcom.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [963] Re: Your Pitiful Actions  
Message-ID: <34BE5CBB.E852CE0D@primenet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Dick Schneider wrote:

>

Well said Dick,

I have had the pleasure of working with a Ham who could not read or write a letter. He had a great deal of trouble signing his name. I think that he could have out designed any number of people on this list. Many of his designs were in Burr-Brown op Amps. He does not own any modern

communication gear. He has an old collins HF transceiver and has Homebrewed all of his own converters and works exclusively VHF and UHF SSB and mostly EME and meteor scatter. He has a 40 foot home made dish that he uses to work 2 meter and 432 Mhz EME and 1296 Mhz. He can afford to have someone else write his ENGLISH for him. Correct english is good in communication, it is not absolutely necessary. He appeared to get his point across to at least some of us. I give Alex credit for at least trying to do something. I wish him success.

John KE7CW

-----  
Date: Thu, 15 Jan 1998 01:56:47 -0500  
From: wpc@west.net (John L. Roblin / Whiterook Products Co.)  
To: qrp-1@Lehigh.EDU  
Subject: [964] RE: Tuna Tin radio? / The Tuna Tin Two!!!!  
Message-ID: <v01530504b0e3611e69a9@[205.254.241.229]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

HI Ted,

You might be thinking about the classic Doug DeMaw article in QST on The Tuna Tin Two. GREAT little transmitter project. I still have the one I built back in high school. I believe it appeared in the April or May 1977 or 76 issue of QST. You can probably search it on the ARRL site.

I just got a digital camera and if anyone is interested, I will dig out my TT2 and snap a photo of it.

ANYONE ELSE OUT THERE HAVE A \*VINTAGE\* TUNA TIN TWO??

Let's get them back on the air!! GREAT FUN!!!

72, -John WA6KY0

-----  
John Roblin WA6KY0  
Whiterook Products Company  
"Mini-Keys and Other Cool Things!"  
<http://www.west.net/~wpc/>

-----  
Date: Wed, 14 Jan 1998 22:10:52 -0000  
From: John Anthony Reynolds <D2250077@infotrade.co.uk>  
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>  
Cc: "'gqrp-l@blacksheep.org'" <gqrp-l@blacksheep.org>  
Subject: [965] Spacers for open Feeders  
Message-ID: <01BD2139.91D74A60@default>

Hi all,

Vic K2VCO asked about open wire line feeder and spreaders. I have been using open wire line for the past 30 years and have always made my own, I am a great believer in not buying commercial antenna systems because it is so easy and a better cost factor in producing it yourself.

I make my spreaders as follows:

Obtain a length of old UR67 coax and strip off the outer sheath and braid, (retain the braid as it comes in useful for making earth straps etc.)

Cut the coax inner to approx 6 in lengths, remove the inner copper core, you will need to grip the strands in a vice or use mole grips and pull hard.

This will leave you with a length of strong and light polythene which you now drill two hole about 5 in apart of 1/8 in dia. It is then a simple method to just thread these on to the two feeder wires and space them about 12 in apart

I use a 67ft top radiator and the feeder is 42 1/2 ft .

Never had a breakage and is not affected by rain or snow.

73 de John G3PT0 GQRP 595 QRP-L 1396

-----  
Date: Thu, 15 Jan 1998 06:47:30 -0000  
From: John Anthony Reynolds <D2250077@infotrade.co.uk>  
To: <qrp-l@Lehigh.EDU>  
Subject: [966] Good Webb Site Antenna's  
Message-ID: <01BD2181.92F576E0@usr002.infotrade.co.uk>

Hi Guy's,

came across an excellent site whilst searching for info on Delta Loops etc.

Check out URL:

<http://www.qslnet/~wd8rif/archives.htm>

Site belongs to WD8RIF and has lots of articles from QRP-L about Index Labs QRP Plus, Antenna's, Icom IC-735, Antenna Modeling etc.

If you are interested in maps you may want to look at :

Interactive Maps

URL <http://www.mapquest.com/>

I hope the info will be of interest to subscribers.

73 es 72 de John G3PT0 GQRP 595

-----  
Date: Thu, 15 Jan 1998 05:29:00 +0000  
From: k5zty@juno.com  
To: qrp-l@Lehigh.EDU  
Subject: [967] QRP AFIELD Results  
Message-ID: <19980115.124731.6470.2.k5zty@juno.com>

I got home yesterday and my next door neighbor brought a box to me that UPS had left at her house for me. In it was a very nice wall plaque from the New England QRP Club for our first place finish in the 1997 QRP Afield contest.

We would like to thank Ernie Gregoire, AA1IK, and Chet Bowles, W1CSB, for their efforts in putting on the contest and especially for the award. It will hang in a very prominent place in the shack.

Thank you,  
Bill, K5ZTY, and Bill, W5SB

-----  
Date: Thu, 15 Jan 1998 06:02 CST  
From: FAITHD@dnr.state.wi.us (Don C. Faith III, AM/7, \ (608\ ) 267-3135)  
To: jgold@ntech.edu  
Cc: qrp-l@Lehigh.EDU  
Subject: [968] Re: Centennial 20 m help  
Message-ID: <009C0503A1E364DC.281B@dnr.state.wi.us>

Hi Jeff

I have the 20m version but haven't built it yet. I have the 80m version also (completed). Let me know if you have the 80m version also.

I am pretty sure that the dead end hole (12V / TX) is there so you can feed power to the microphone on key down. This is the same line as the jumper about 3/4" "below" the 12V/TX holes.

I am not sure whether those microphones will work or not. I am using a RS electret mike element. Paul Daulton also talks about using an amplified (CB type) mike. When I tried using a plain RS CB dynamic microphone, it didn't appear to provide enough drive (on my 80m version).

GL, 73 de N9WR, Don C. Faith III

-----  
Date: Thu, 15 Jan 1998 06:11:37 -0600  
From: "ukii" <ukii@megsinet.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [969] Proper way to tune the Tuner ???  
Message-ID: <00b801bd21ae\$bcc38c00\$ca4e85d0@ns1.megsinet.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello Gang!

Well,been quite a while since I have had a chance to pose a question to the list...

Recently I have had a few hours "free time" to play radio. I am using a MFJ 989 tuner (roller inductor job) and well,quite honestly I have forgotten the proper way to tune it! Yes,I remember to peak the receive for max but what knobdialthingie do I set first? I remember sometimes I could find 2 or more settings to achieve a good match but one would be "sharper" than the other. Please,clue me in here,my antenna efficiency is not very good as it is and my Qrp is becoming QRPuny.

Also,I remember quite a while back there were some comparisons made between tuners and I think someone had a "simple" circuit that would be fairly efficient,,,

Thanks Very Much!

Got to be ready for that Grrrrreat FYBO event coming up!

Best 73 and Happy New Year...

John

n9ukx

-----  
Date: Thu, 15 Jan 1998 07:20:54 +0500 (GMT-5)  
From: Jim Osburn <wd9eyb@butler.qrp.com>  
To: jmhearn@visi.net  
Cc: qrp-l@Lehigh.EDU  
Subject: [970] Re: Ten-Tec T-Kit 1340  
Message-ID: <199801150220.HAA04347@butler.qrp.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

Jarvis,

Congratulations on getting it going.  
I worked about a dozen stations in the NA QSO Party with mine.  
That includes 6D2X in Mexico.  
I don't know what's wrong with your sidetone.  
Mine sounds just fine. Even goes soft when my battery runs down.

73,

Jim, WD9EYB

>  
> Jim:  
> Just a note to let you know I have finished my 1340 T-Kit. Made my  
> first contact this morning. Contact said it sounded clean and pure.  
> This is "music" to my ears. However, I do have a sidetone note that is  
> not too clean or pure so I will need to work on the three toroids at 8,  
> 9, and 10.  
>  
> 73s Jarvis (W4VWH)  
> > >  
>

-----  
Date: Thu, 15 Jan 1998 07:40:03 -0500  
From: Derek Brown <DBrown@RFMD.com>  
To: "'QRP-L'" <qrp-l@Lehigh.EDU>  
Subject: [971] Sierra Blue / Sierra Mods

Message-ID:

<c=US%a=\_%p=RF\_Micro\_Devices%l=PACHACUTEC-980115124003Z-16540@proxy1.rfmd.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Gang,

I plan to build some "accessories" (i.e. NorCal paddle) for my Sierra.

Has anyone come up with a paint color (preferably in a spray can) which closely matches the dark blue cabinet on the Wilderness Radio Sierra (not the light blue panel color)? If so, what brand & color?

Also, if you've completed the Sierra Mods (by Bob Follett, AB7ST) found on the G3YCC Ham Radio Pages, where did you acquire the small size SM caps (some of the values are quite large)?

Derek Brown, WF4I

Greensboro, NC

dbrown@rfmd.com

-----  
Date: Thu, 15 Jan 1998 07:50:50 EST

From: "Brian Jones" <brian\_jones@uk.ibm.com>

To: qrp-l@Lehigh.EDU

Subject: [972] NO SUBJECT

Message-ID: <199801151251.HAA120416@nss4.cc.Lehigh.EDU>

MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

Homemade QSL cards.

A little late following this thread but....

Both my XYL and myself produce our own QSL cards. They are black and white only (for cost effectiveness). We scanned in some appropriate artwork from a book on the history of the Radio Times (the UK 'whats on' guide to BBC radio (nowadays TV also :- ( ), mine's a 1920's cartoon which is personally appropriate, Liz's is a picture of Britannia holding a desk mike to communicate to the British Commonwealth from about the same period. Using either Corel Draw or Micrografx Draw we added callsigns, location info, logos for RSGB and GQRP etc. Liz also added a map of the UK underneath Britannia. Took a couple of weeks to get the



artwork exactly how we wanted it (getting the UK map transparent underneath Britannia was the real bugbear + choosing suitable fonts)

Originally I used WordPerfect to produce a nice grid layout on the reverse for QSO With:, Date: Time: etc etc. But have such a backlog of cards I decided the new batch would have labels generated by my logging program. Actually I use Log-Eqf, export my logbook to a database and then use the database as a merge file for WP, to allow me to have really fine control and personal details on the label layout.

The cheapest and easiest way of producing cards (imho) is to produce 4 on a single sheet of good quality paper. If you are using two sides make sure both sides align really well and then print to separate sheets. Take this down to your local print shop. My shop in UK charged me about 7 dollars (4.5 UK pounds) for 100 single sided b/w copies on card, its about another 3 bucks for double sided. Not too bad for 400 cards and cheaper, easier and less problematic than printing on my inkjet. I use a guillotine purchased from OfficeMax when I was in the US (cost about 30 bucks and well worth it) to cut into 4.

The cards look amateur but pretty good and highly personalised.

Brian. G0UKB KB8YKJ

Brian Jones  
Java Technology Centre  
HURSLEY MP 146 Ext 246896 (+44 1962 816896)  
BEJONES AT WINVMD bejones@hursley.ibm.com

-----  
Date: Thu, 15 Jan 1998 08:05:06 -0600  
From: Tom Moll <tomm@xata.com>  
To: "'KB9RPD@aol.com'" <KB9RPD@aol.com>  
Cc: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>  
Subject: [973] Tuna Tin  
Message-ID: <01BD218C.4B944C30@TOMM>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

<<  
Ted, KB9RPD asked about the Tuna Tin rig ...  
>>

Ted,  
I have the original Tuna Tin 2 article if you need a copy. This was a =

40m transmitter only, xtal controlled, no VXO, and its design is =  
somewhat dated at this point in time. It used a bunch of Radio Shack =  
wire wound iron core inductors that are no longer available. I was able =  
to acquire just enough of these old buggers from the junk box of another =  
kind soul on this list a while back. I heard that at some point, there =  
was an updated version that used toroids, though I have never seen that =  
design. It should be easy to roll your own toroids substitutes. I am =  
planning on building one, and I think I have all the parts, it's just a =  
few projects down the priority list yet!

Let me know if I can help you out. I'm at work now and don't have all =  
the details at hand - I get the list in digest, so I am always a day (or =  
two) behind the pack !

Incidentally, there was also a follow up 80m rig, called the sardine =  
sender. I have this article also, if you, or anyone else on the list is =  
interested.

72, Tom Moll, NoBS

-----  
Date: Thu, 15 Jan 1998 06:55:08 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: "John L. Roblin / Whiterook Products Co." <wpc@west.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [974] RE: Tuna Tin radio? / The Tuna Tin Two!!!!  
Message-ID: <Pine.SUN.3.90.980115065427.1750B-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi John,

I have one in a box someplace!! And it earned a 1000mi/watt award!

cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Thu, 15 Jan 1998 07:09:58 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [975] Re: Tuna Tin  
Message-ID: <Pine.SUN.3.90.980115070703.1750D-1000000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

With all the talk about the Tuna Tin II and how it's outdated  
is anyone interested in doing an updated version?

It would be a nice tribute to it's original desiner, Doug DeMaw.

I'd be happy to publish it in the QRP ARCI Quarterly.

Don't forget that you need to get any/all necessary permission  
from the owners of the copyright first!

cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Thu, 15 Jan 1998 10:12:38 -0500 (EST)  
From: Bensondj@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [976] Re: What CW tone do you prefer?  
Message-ID: <980115101236\_-399818355@mrin52>

on Wed, 14 Jan 1998 22:37:30,  
"W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg> wrote:  
>>Subject: [891] Re: What CW tone do you prefer?

....  
>>Good analysis Scott, but think about this, for a higher frequency, the  
>>response time required would be higher. For someone who's hearing setup  
>>cannot respond as quickly, you will end up with distorted waveforms, I

>>suppose pretty much like putting a large capacitor across an audio line.  
>>Consequently, the frequency response will peak somewhere and that somewhere  
>>may be "low" for some people. It does not, of course, follow that lower is  
>>better because, the ear doesn't work that way. It may however, imply that  
>>some frequencies are better than others and that may not be determined  
>>solely by the analysis which you provided, albeit an excellent one. I  
>>suppose the other factors are really too variable to usefully include in an  
>>equation. Stuff like ear cavity size, length of ear channel, eustacian  
tube,  
>>size of hammer/anvil/stirrup, all make the ear like a complex filter  
network.  
<<

I'm getting a bit off the QRP track, but an interesting digression in any  
case-

With the advent of sound cards and audio spectrum-analysis applications,  
several of the major pieces needed to do diagnostic work are now  
commonplace- I understand that audiologists are applying these tools to  
study hearing deficiencies due to structural causes.

73, Dave- NN1G

-----  
Date: Thu, 15 Jan 98 10:13:46 EST  
From: Bill Acito 15-Jan-1998 1013 <acito@asdg.ENET.dec.com>  
To: -qrp@us1rmc.bb.dec.com  
Cc: acito@asdg.ENET.dec.com  
Subject: [977] FS: Yaesu's, 747GX and 757GX  
Message-ID: <9801151513.AA19077@us1rmc.bb.dec.com>

Yes, I know, not QRP, but...

I have had very good luck both buying and selling on the QRP-L, so I  
wanted to offer these up first to those of you on the list before  
going to Virtual Hamfest or trading them in.

For Sale:

Yaesu 747GX

Case shows some mobile install wear, front is excellent.

I recently replaced the tuning encoder, so the tuning is very

tight, no slop. Has FM board and narrow CW filter.  
With power cable, hand mike, and manual.  
\$350 firm, we split shipping

Yaesu 757GX (not the GXII)

Excellent shape, with power cable, hand mike, operation and  
service manual. This has been used more in the shack than  
mobile, and it shows. This has FM and a narrow CW filter  
(600Hz) standard.  
\$450 firm, we split shipping

. . . . . - I own my own words - . . . . .  
Bill Acito acito@asdg.enet.dec.com  
|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

W1PA qrp-ne qrp-l adv-rs arci norcal amsat-na arrl-life

-----  
Date: Thu, 15 Jan 1998 09:20:54 -0600  
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)  
To: qrp-l@Lehigh.EDU  
Subject: [978] TIXIE - IS IT A KIT?  
Message-ID: <00056DB0.4159@ccgate.dl.nec.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Description: cc:Mail note part

Hi Gang,

Not sure if I'm understanding this. Will the Tixie be  
offered as a kit, or is it just as a circuit board?

Any info appreciated.

73 de Dave NR3E/5  
nr Dallas, TX  
qrp-l #25

-----  
Date: Thu, 15 Jan 1998 10:25:05 EST  
From: K5BDZ <K5BDZ@aol.com>  
To: Bensondj@aol.com, qrp-1@Lehigh.EDU  
Subject: [979] Variable CW tone preference?  
Message-ID: <cc738084.34be2a55@aol.com>  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

What CW tone do you prefer? Usually differs with the individual.  
That's why so many kit builders liked the Tejas Kit simple variable peaking CW filter-often preferring them to the SCAF filters etc. The peaked CW tone frequency was varied to personal tastes and preferences while at the same time knocking out the QRM AND QRN. Easier to hear and easier on the ear fatigue problems.

Still have a couple of new unbuilt kits left...cheap too if someone wants to experiment.  
Bill, K5BDZ

-----  
Date: Thu, 15 Jan 1998 09:23:51 -0800  
From: DTUCKER <DTUCKER@Prodigy.Net>  
To: qrp-1@Lehigh.EDU  
Subject: [980] Test message-Do Not read  
Message-ID: <34BE4627.62A2@Prodigy.Net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Test message using Netscape.  
Please do not respond.

72 de NU4N

-----  
Date: Thu, 15 Jan 1998 08:30:45 -0700  
From: "Caro, Carlos" <CCaro@ccs.lmco.com>  
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>  
Subject: [981] Tuna and other fishes.  
Message-ID: <22C29700E1CFD011920900608C14D84B3F7295@cos141-gate55.ccs.lmco.com>

KB9RPD and all!

I have a construction article by the great past master that is called the Herring 5 receiver. Its a DC converter for 40 mtrs and also uses Radio Shack parts, some of which might be available from Tech America. At any rate with emptying out all the tuna and herring tins and the beer errrrr beverages for the verticle antenna, could we qualify for a "Halitosis is better than no Breath" award ??

Will send copies of receiver to any that are interested.

Regards,

Carlos KBOREI

-----  
Date: Thu, 15 Jan 1998 10:01:25 -0500  
From: "Bob Kellogg" <ae4ic@nr.infi.net>  
To: <aweiss@sunflowr.usd.edu>, "Low Power Amateur Radio Discussion" <grp-1@Lehigh.EDU>  
Subject: [982] Re: Bright Idea Award #1; RG174U; Balun loss; c.w. tone  
Message-ID: <199801151538.KAA26389@mailhost.infi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Adrian,

I've been doing quite a bit of tuner testing using the method described by Frank Witt in his 1995 QST articles. So, naturally, I have some comments about your balun loss example.

You said:

-----  
> A while  
> back, I compared two tuners: A was the old AC5 balanced line job --  
TenTec  
> produced it as a companion to the Argo 505.  
> Tuner B is a well-bult commercial unit with the balun.  
>  
> For measurements, a calibrated wattmeter monitored power fed into the  
> tuners, and a simple field-strength meter connected to a pick-up wire  
> outside monitored the field strength. Power into the tuners was kept  
> constant. A reading was taken with tuner A peaked, then a reading for  
> tuner B. Then the power to tuner A was backed off until it reached the  
> f.s. reading for tuner B. Then the difference in dB was calculated.  
>  
> The results were interesting: loss in tuner B attributable to the balun,  
> with a 1:1 SWR obtained on all bands, was:  
>

> 80m = 2.dB; 40m = 1dB; 20m = 1.7dB; 15m = 6.6dB

>

> I was unable to reach a low SWR with tuner A on 40m, so the 1dB would have

> been slight worse since this represents output from tuner A at a 2:1 SWR.

IMHO this is a valid test, and certainly does indicate relative efficiency.

It is a good way to get a rough idea of tuner performance. There is one limitation, and that is that for each band the tuner is being tested for just one impedance situation -- the one presented by your antenna. If this is the antenna you intend to use, of course, that's fine. I'm not sure the test would be a valid general comparison between the two tuners. It was certainly a valid test with your antenna.

> Now, the choice on 15m is obvious. It illustrates the kind of loss that  
> can occur in the balun assisted tuner. I won't speculate on why it  
> occurred at this magnitude on 15m. I didn't check 10m.

Someone else might make the identical test with their antenna and get considerably different results. Instead of 15M being the poorest band, it might be 40M, for example. I'd judge that the reason test results were so bad for you on 15M is that your antenna presented an impedance that was well out of the range for your balun on that band.

> At any rate, the choice is between ease of bandswitching with the  
> balun-assisted, or the relative gain that occurs along with the messing  
> around adjusting taps with tuner A. I go for the gain myself.

Yep.

I guess what I was saying about tuner testing is obvious. A simple test is to use fixed power, then hook a wattmeter, the tuner and a dummy load in series. Measure the power. Then put the wattmeter on the dummy load side of the tuner and measure the power again. The difference in power reading indicates tuner/balun loss. This method has the same limitation as above, but worse. The measurements are being made at 50 ohms impedance. (why use a tuner at all if the antenna system presents 50 ohm impedance?) OTOH, If there are losses indicated with a 50 ohm impedance, we can expect much worse with the typical antenna!

72/73 and CUL,

Bob Kellogg, AE4IC, Greensboro, NC

Prolably, but not nececelery. -- Benny Hill

-----



Date: Thu, 15 Jan 1998 07:56:56 -0800  
From: Erin Scott <ekscott@ibm.net>  
To: qrp-1@Lehigh.EDU  
Subject: [983] Re: Internet Access Charges  
Message-ID: <34BE31C8.1313@ibm.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Jim (AL7FS), Nancy (KL7NY), Juliann (WL7MP) & Issei wrote:

>  
> Check out  
>  
> <http://techweb.cmp.com/cw/telepath/17biz2.htm>  
>  
> Especially read the last 8 paragraphs. This is a current subject. It  
> also was a valid topic last year. I don't believe this topic is a hoax  
> but the impact may be overstated. I guess it depends how long you stay  
> on line.  
>  
> I don't like paying extra for a local call.  
>  
> 73, Jim, AL7FS  
> --  
> Jim Larsen  
> Acupressure Anchorage  
> Anchorage, Alaska

Good article but I think that the point needs to be made this isn't about  
taxing the dial up user it's about taxing the ISP who is providing  
"Voice over IP" to help subsidize us rural folks who wouldn't have a phone  
if we had to pay for it by the mile. Voice over the internet has gotten  
a lot better in the last couple of years. It has also gotten alot  
CHEAPER to buy the equipment to do it. The reason for this tax is simple  
the line between ISP's and Phone companies is blurring quickly. If the  
ISP's want to play phone company let them pay taxes like the rest of us.

--

Erin Scott KK7GE  
ekscott@ibm.net  
KK7GE@N7UVH.#NID.ID.USA.NOAM

"The Lord's Prayer is 66 words, the Gettysburg Address is 286 words,  
there are 1,322 words in the Declaration of Independence, but government  
regulations on the sale of cabbage total 26,911 words."

-- From an article on the growth of federal regulations

-----  
Date: Thu, 15 Jan 1998 10:13:18 -0600  
From: Jim Parsons <k5rov@worldnet.att.net>  
To: ekscott@ibm.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [984] Re: Internet Access Charges  
Message-ID: <3.0.3.32.19980115101318.007d15a0@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

The trouble is, its not the ISP that will end up paying the taxes, its we the people. Any time taxation of a corporation is increased, who do think ends up paying those taxes?

>Good article but I think that the point needs to be made this isn't about  
>taxing the dial up user it's about taxing the ISP who is providing  
>"Voice over IP" to help subsidze us rural folks who wouldn't have a phone  
>if we had to pay for it by the mile. Voice over the internet has gotten  
>a lot better in the last couple of years. It has also gotten alot  
>CHEAPER to buy the equipment to do it. The reason for this tax is simple  
>the line between ISP's and Phone companies is blurring quickly. If the  
>ISP's want to play phone company let them pay taxes like the rest of us.  
>--

>Erin Scott KK7GE  
>ekscott@ibm.net  
>KK7GE@N7UVH.#NID.ID.USA.NOAM

>  
>"The Lord's Prayer is 66 words, the Gettysburg Address is 286 words,  
>there are 1,322 words in the Declaration of Independence, but government  
>regulations on the sale of cabbage total 26,911 words."

>  
>-- From an article on the growth of federal regulations  
>  
>

James (Jim), Parsons, K5ROV USAF, Ret.  
k5rov@worldnet.att.net QCWA, NWQRP, Fists, ARRL  
EX: W1RLA, K5FBB, K4FEO, SV0WN (CRETE), SV0WN (RHODES),  
DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).  
JOHN 3:16

-----

Date: Thu, 15 Jan 1998 08:15:26 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: Erin Scott <ekscott@ibm.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [985] Re: Internet Access Charges  
Message-ID: <Pine.SUN.3.90.980115080616.1886D-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 15 Jan 1998, Erin Scott wrote:

> Good article but I think that the point needs to be made this isn't about  
> taxing the dial up user it's about taxing the ISP who is providing  
> "Voice over IP" to help subsidize us rural folks who wouldn't have a phone  
> if we had to pay for it by the mile.

Hi Erin,

Guess I'm missing something here.....if you are on the internet, don't you already have a phone line?

I do understand that there are some other ways to get here....like via packet and even some cable tv compainies I guess.

But if you can afford cable you should also be able to afford phones. And voice via simplex packet doesn't sound like much fun to me!!

Also, why should it be "free"? Should a tax payer who doesn't use the internet have to pay for those of use that do?

Lots of good arguments on both sides of the issue!

OBQRP: My column for the next NCJ will go in tonight. If you like contesting at all and if you like contesting with low power, I invite you to check out the NCJ. Then think about sending in your stories about the fun you have in the "little" contests! I am trying to make it "your" column and need your input to do that.

cul,

73, Ron,       SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Thu, 15 Jan 1998 12:50:19 -0500 (EST)  
From: Chris Cartwright <ccart@dns.vidtel.com>  
To: QRP Reflector <qrp-l@Lehigh.EDU>  
Subject: [986] Re: Best Tone for Copying CW  
Message-ID: <Pine.LNX.3.93.980115124637.932C-1000000@dns.vidtel.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 14 Jan 1998, W. D. (Doc) Lindsey wrote:

> Well I prefer a lower tone....not because I am all that good or old hand at  
> CW--but simply because of losing over 60% of my hearing in multiple tours

Man! One of of the top fox hunters, and he has more than one ear tied  
behind his back! :) I seem to suffer just from selective-frequency-  
dependent-hearing loss. Just ask the X-XYL...

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --  
-- N3XRV ARRL-VE QRP WAS 28/13(w/c) | <http://dns.vidtel.com/~ccart> --  
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? NJ-QRP #105 LIQRP #???? MDmW #5 --

-----  
Date: Thu, 15 Jan 1998 09:31:11 -0700  
From: "Ron Smith" <resmith@primenet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [987] Re: Internet Access Charges  
Message-ID: <033401bd21d5\$c6205400\$0922a5ce@primenet.com.primenet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Sorry to take up the bandwidth on a non-QRP topic but I have to put in my 2  
cents worth.

The phone companies have been trying to get a bill passed that would allow  
them to tax anyone that was using a modem over their phone lines. This has  
been going on for about 13 years that I am aware of and that was long before  
ISP services were cheep enough for the majority of us. Having NOT succeeded  
in being able to charge us individually, they went after the ISP folks - who  
would then pass that increase back to the customers -- and again they would  
win. Having NOT succeeded in being able to charge the ISP folks (for at

least the past two years) they are trying to say that ISP's provide voice communication which is NOT TRUE -- the programs that are used to chat voice to voice via the Internet are not on the ISP's systems but on the systems of the users. Now, let's presume that the ISP's are charged x dollars for providing voice communications - who do you think is going to pay that fee? No, not the ISP because the ISP will simply increase the fee to the customer - whether the customer uses voice communication or not. If the phone companies are ever successful, we will all lose regardless of what they try to tell us.

That's my 2 cents -- and probably exactly what's it's worth.

72 all around...

Ron Smith

-----  
Amateur Radio Callsign: KD7VD  
Southwest Idaho  
E-mail: resmith@primenet.com  
QRP-L #1291  
-----

-----  
Date: Thu, 15 Jan 1998 16:56:11 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [988] PIXIE2 Sensitivity Response  
Message-ID: <34BE3FAB.48E7@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I've been asked by many qrp-l members: "Ok Ed, you've made a lot of contacts, but how is the receiver sensitivity?"

I mentioned that it is about 92% to 95% as good as my OHR-100.

Example: Last night W5YA responded to my Bug-Fisted CQ from my pixie2. I'm at 1/2 watt, he's running 3 watts.

Exchange is 339/339 then he gives me 319 later. So I switch over to the keyer to perhaps improve readability for him, and he mentions he's getting gud copy, but I'm still 319. So, not wanting to lose the QS0, I qro up 5 watts but now on the Drake

rig.

My goal: Keep the qso, and at the same time get a comparison on the "GOOD" receiver -vs- Pixie2. Well surprize! After zero beating the Drake to the exact transmit QRG of the Pixie2, I send him a 329. He gives me a 449.

So folks, it is a decent receiver. Wide as a barn door, mind you, but works FB. Just be sure to heed my comments on keeping the AM broadcast stations from being detected.

The QRZ Callsign Database Now with over 109395 email addresses online  
Search results for "w5ya"

Callsign: W5YA  
Club Name: HIGH DESERT WIRELESS  
Addr1: 1101 CAMINO CRUZ BLANCA  
Addr2: SANTA FE NM 87501  
Country: USA  
Effective: 04 Feb 1997  
Expires: 04 Nov 2006  
Trustee: FREDERICK H MAAS KT5X  
Heading: 96 deg, 943 miles, 1520 km THAT IS: 1886 miles/watt.  
Location: 35.676 N 105.959 W Santa Fe County  
Email: [unknown] Update Email Address

Hummmm Baby!

-Ed

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.  
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR  
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

-----  
Date: Thu, 15 Jan 1998 09:07:28 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [989] HighSpeed CW & Terminals  
Message-ID: <Pine.SUN.3.90.980115084924.2046B-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Someone mentioned copying callsigns during the high speed copying exchanges.

The more you use a computer during contests the more you will find.....wait.....let me rephrase that...

The more I use a computer during contests the more I find that the call signs just go from the ears to the fingers and I often have no idea who I am working. I have to look at the screen to tell!!

When I was in the Army I would copy 5 letter code groups on a mill. At the same time I would be reading a book and never really "hear" the code. But I also never made any errors. I have no idea how this develops, it just seemed to happen. Nothing much more booring than copying code groups all day! That might have something to do with it.

Anyway, the point of the story is to just let your fingers do the work. Often I'll "get" the first couple of letters of a call and think I missed the rest only to look at the screen and see it all there. Don't fight it, just let it happen. (Practice, practice and more practice!) And contests are a GREAT source of FUN practice!

RS232 terminals.....I have a chance to pick one up. Would this work to hook up to watch packet spots? I understand that there would not be any of the fancy screens and etc.

Thanks,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----

Date: Thu, 15 Jan 1998 09:13:53 -0800  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: qrp-l@Lehigh.EDU  
Subject: [990] Tuna Tin 2 Revisited  
Message-ID: <3.0.1.32.19980115091353.00d1b69c@dpol.k12.ca.us>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I see that there is some revised interest in the Tuna Tin 2 that appeared

in the May 1976 issue of QST and was designed by the late Doug DeMaw. Ron Stark suggested that someone update the rig. Ron, it has already been done by Dave Meacham and was in the June 1996 issue of QRPP. It is interesting to note that I reprinted the original article from QST (with permission of course) but I left out the schematic. No one said a word until a couple of weeks ago and Bill Steitenroth sent me a message about it. Now with the renewed interest, I will redo the schematic in Circad and make the files available on the NorCal Web Page and also see if Jerry can post the circuit diagram on the page, heck, may even do the whole article there. But for those of you who just can't wait, here are the updates to the parts that are no longer available at Radio Shack.

L1 = 22 uH Choke, Mouser # 43HH225

L2 = 21 Turns #28 Enameled wire on T37-6 (yellow) core (1.36uH)

T1 = 14 Turns #28 Primary on FT37-43 core with 7 Turn Secondary wound over Primary.

Q1 = 2N2222A

Q2 = 2N2222A

Again, many thanks to Dave Meacham, W6EMD for his help in updating a classic design to modern parts. I am not sure but I think that Far Circuits may have the original board available. If someone knows, please post to the list. 72, Doug, KI6DS

-----  
Date: Thu, 15 Jan 1998 09:20:05 -0800  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: qrp-l@Lehigh.EDU  
Subject: [991] QQ arrives in Dos Palos, Wow!!  
Message-ID: <3.0.1.32.19980115092005.00d1b69c@dpol.k12.ca.us>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

My issue of QQ came in the mail yesterday, and my reaction is Wow!! Congrats to Ron and all the crew for an excellent issue. I remember when QQ had issues that were 24 pages. This one has 68 pages, a new "tighter" format (someone forgot to tell Chuck, grin) and I like it. Please keep the glossy cover and the color, it adds immensely to the journal. On behalf of NorCal, I would also like to thank Ron and the staff for all of the plugs for NorCal and the other regional clubs. I see ARCI as the umbrella organization for the QRPers in North America, and I think that the club has had a major turn-a-round in the past couple of years. Good job guys, thank you for your efforts. 72, Doug, KI6DS



-----  
Date: Thu, 15 Jan 1998 10:22:30 +0000  
From: Roger Hightower <n7kt@earthlink.net>  
To: ku7y@sage.dri.edu  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [992] Re: HighSpeed CW & Terminals  
Message-ID: <34BDE366.F62FFC83@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Monte Stark wrote:

> RS232 terminals.....I have a chance to pick one up. Would  
> this work to hook up to watch packet spots? I understand  
> that there would not be any of the fancy screens and etc.  
>

It sure will. When I was actively chasing DX I kept a dumb terminal on the local packetcluster for spots. Worked as well as any computer, with only half the space requirement, and a lot less \$\$.  
  
--

72/73, de Roger, N7KT

-----  
Date: Thu, 15 Jan 1998 11:25:11 -0600  
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [993] RE: What CW tone do you prefer?  
Message-ID: <3.0.32.19980115112510.007a5b40@molsun.ophth.uiowa.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

hi,

not wanting to beat a dead-horse but... while some of you get to use network analyzers and fancy spectrum analyzers, i get to pick some biological sciences brains. I wandered down the hall to the psychoacoustic and cochlear implant lab and asked the audiologist researchers there about tone discrimination at different frequencies.

they got interested in the question, and called 2 other audiological researchers. here's the gist of what they said: my comments in the [ ] .

1) - sound pressure levels at the lower (400 Hz) tones would need to be greater than at the higher (1000 Hz) tones because of decreased sensitivity.

[as was mentioned on the list, that could easily be fixed by the volume control]

2) - ability to discriminate 2 tones a fixed number of Hz different from each-other decreases as you go from 400 to 1000 Hz, and then stays roughly constant at  $\geq 1000$  Hz.

[i didn't get a full answer on this, but it appears that this is not due entirely to the higher % change at the lower frequencies, but has some physiological component as well]

3) - high frequency loss due to noise exposures should make things even worse at the higher end, though most high frequency loss from noise exposures occurs in the 4000 Hz range, and is often a notch loss.

4) - the "desensitization" that occurs with continued exposure to a narrow bandwidth of tones is real common, and even a small change in frequency (about 25 Hz) should alleviate it.

of course none of this takes into account an individual's subjective preference for listening to a particular tone. or, perhaps also the ability of the entire audio chain (including speaker/headphones) to faithfully reproduce the waveform at the different frequencies.

not QRP: while i was in there they were "aligning" a patient's cochlear implant - a device that converts sounds to electrical impulses at several electrodes to directly stimulate the nervous system (i'm not sure whether it is brain or auditory nerve), really way cool stuff - allows some deaf people to "hear".

alignment consists trying to set the operating parameters on 8 different electrodes by evaluating brainwave responses to rapidly repeated tones. looked a lot more involved than aligning a superhet receiver!

i love learning new things - no telling where ham radio will take you!

--adam, n2brt

=====  
Adam B. Kanis  
adam-kanis@uiowa.edu  
=====

-----

Date: Thu, 15 Jan 1998 09:28:21 -0800 (PST)  
From: doug hauff <slmachco@fix.net>  
To: qrp-1@Lehigh.EDU  
Subject: [994] TIXIE??!!!! OH, NO, SAVE ME!....  
Message-ID: <199801151728.JAA04250@fletch.fix.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

0000HHH N0000, I feel another Enclosure coming on!!!!....EEEEEEEE....  
Doug KE6RIE

-----  
Date: Thu, 15 Jan 1998 12:21:21 -0500  
From: jim nestor <nestoji@home.com>  
To: qrp-1@Lehigh.EDU  
Subject: [995] battery query  
Message-ID: <34BE4591.4F23597C@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Does anybody have the scoop on how to recharge the RayOvac Renewal  
rechargeable alkalines?

I have been using the AAs with reasonable success for some time, but  
have always recharged them in the "official" RayOVac Ac charger. I would  
like to be able to recharge them in the field using either a solar panel  
or from the car battery.

Should they be charged at constant current like a Nicad, or peak or  
pulse charged?

While I'm at it, what is the story with the Black & Decker Versatool  
batteries? I got one of the tools for Christmas and it looks like a good  
idea. All of the tools use either one or two of the 3.6 volt cells.

The question is, what's inside those neat little paks? The AC charger  
charges two at a time in about 4-6 hours. So far, the charging LED on  
mine hasn't gone out after even 6 hours, so how do I tell when they are  
fully charged? The dinky little manual say they don't have "memory"  
like most Nicads, and there is no safety hazard to leaving them in the  
cahrger. Not much help there.

My guess would be that for the price, the charger has to be pretty

simple. No temperature sensors or exotic timers. Consequently, I would expect that leaving the cells in the charger for a prolonged period probably won't start a fire, but ain't good for the batteries. Any ideas?

If I can figure out the DC charging scheme for the Renewals, I may work on packaging them like the Black & Decker jobs. Maybe 4 in a pack to give me 6 volts. I could use 2 for the QRP rig, 1 for a lantern, etc. and just keep a couple on the charger all day while camping.

One last battery question. Approximately how much "surface charge" is there on a fully-charged car battery. I know they drop off pretty rapidly, unlike a deep cycle battery. The real question is "how much juice can I tap off my car battery by charging AAs without running the engine and still expect the vehicle to start in the morning?"

Another way of asking the question is "how low should I allow the car battery voltage to drop before I stop charging the AAs?" I'm thinking of building a monitoring circuit to keep an idea on the car battery voltage as well as the charge state of the AAs.

72,

Jim, WK8G/2  
nestoji@home.com

-----  
Date: Thu, 15 Jan 1998 09:54:19 -0800  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: <nestoji@home.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [996] Re: battery query  
Message-ID: <01bd21de\$9a585b20\$309f5ecf@double\_trouble.reliablemeters.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Jim --

A while back, I did a little web research on these batteries, known as RAM cells. They were created by a Canadian company, Battery Technologies, Inc, which licenses their patents and sells the manufacturing equipment to RayOVac and others. For more info on the technology, see their web site at: <http://www.bti.ca/>

RayOVac also has a web site at:

<http://admin.dis.on.ca/~neil/newton/renewals-en.html>

One of the important things to know about charging these batteries is that they can be easily killed by overcharging, which makes careful monitoring and control mandatory in a charger. It also means that each cell has to be monitored and charged individually -- not in a battery pack. However, clever engineers can design around that problem, and recently, the semiconductor manufacturer, Benchmarq, developed a charging circuit which allows each of the cells in a battery pack to be individually charged without removing them from the pack. For details, see:  
<http://www.benchmarq.com/pressrel/pr.22.html>

In contrast to NiCads, these RAM cells also prefer to be recharged frequently, before they are fully discharged.

Mike K1MG

>Does anybody have the scoop on how to recharge the Rayovac Renewal  
>rechargeable alkalines?

-----  
Date: Thu, 15 Jan 1998 10:57:40 -0700 (MST)  
From: Bob Hightower <ki7mn@dancris.com>  
To: qrp-l@Lehigh.EDU, triarc@listserv.tempe.gov, azqrp@dancris.com  
Subject: [997] Wanted: QRP Rig  
Message-ID: <199801151757.KAA28300@user2.dancris.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I have a fellow who works with me who is studying for his test, and wants a rig to monitor until such time as he is licensed.

Looking for an HW-9, OHR Classic or some such at a reasonable price.

Please respond to me, and I will see that he gets the list of items.

73,

Bob KI7MN (ki7mn@dancris.com) Chandler, AZ  
Grid DM43bi Lat 33.334500 Long -111.87260  
NorCal #1221 ARCI #8918 Qrp-l #271 CQC #274 AK QRP #30 ARRL  
<http://www.dancris.com/~ki7mn>  
WIMPS: QS0's=19 30=19 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=6

-----  
Date: Thu, 15 Jan 1998 11:16:47 -0700 (MST)  
From: Bob Hightower <ki7mn@dancris.com>  
To: qrp-1@Lehigh.EDU  
Subject: [998] FOX Log 1/13  
Message-ID: <199801151816.LAA29989@user2.dancris.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Here is the final FOX log for Tuesday, 1/13/98:

NR	TIME	CALL	RST	STATE	NAME	NUMBER
1	0100	WE6W	559	CA	ED	1068
2	0101	N7XJW	599	AZ	BERTIE	1259
3	0101	N7VE	599	AZ	DAN	5W
4	0104	W7SSM	599	CA	JOHN	1048
5	0105	KA5T	559	TX	LARRY	89
6	0106	N6MM	579	CA	HARVEY	318
7	0108	N7KT	599	AZ	ROGER	62
8	0109	K2VCO	579	CA	VIC	725
9	0110	K1MG	589	CA	MIKE	614
11	0111	W6ZH	589	CA	PETE	258
12	0113	NQ7X	599	AZ	FLOYD	242
13	0114	W5SB	559	TX	BILL	1279
14	0116	W9UQB	599	AZ	MIKE	413
15	0117	W6NAE	559	CA	DWIGHT	2W
16	0119	KI60Y	599	CA	LEE	837
17	0121	W5VBO	559	AZ	BRIAN	404
18	0123	NQ7K	559	AZ	MIKE	47
19	0125	N6WG	559	CA	BOB	26
20	0126	WD7Y	559	NV	ED	1389
21	0129	K0EZV	569	MN	DOC	861
22	0131	N5LU	559	OK	BILL	5W
23	0132	K6VNX	579	CA	ARLEN	5W
24	0135	N5JI	559	TX	DICK	1054
25	0137	K5JHP	559	TX	BILL	825
26	0140	AB7MY	599	AZ	GARY	571
27	0141	AK1P	559	CA	PAUL	284
28	0143	N7IR	579	AZ	GARY	1330
29	0145	KK6MC	599	CA	JIM	411
30	0147	AB5UA	559	OK	CLIF	478
31	0149	VE7CQK	559	BC	PAUL	20

32	0150	W0CH	559	MO	DAVE	618	
33	0152	N6VZ	559	CA	GARY	919	
34	0155	N6XU	569	CA	STAN	66	
35	0156	W2PFS	449	NY	SAL	5W	
36	0158	K5ID	559	AR	KENT	652	
37	0159	KI0J	559	TX	OJ	732	
38	0201	AF5Z	559	TX	BOB	984	
39	0203	AA9L	449	WI	RICH	1355	
40	0206	W6BAB	579	CA	HARVEY	5W	
41	0207	K5ZTY	339	TX	BILL	473	
42	0210	KU7Y	569	NV	RON	17	
43	0211	W03B	559	CA	BOB	195	
44	0213	AB5UA	559	OK	CLIF	478	DUP
45	0215	KF6CTA	339	CA	DICK	951	
46	0217	VE5RC	559	SK	BRUCE	886	
47	0220	K06KA	559	CA	BOB	176	
48	0222	WB0T	559	IA	JERRY	1268	
49	0225	AE4IC	559	NC	BOB	54	
50	0226	AA5TA	559	TX	LARRY	1245	
51	0236	W6EMT	579	WA	ROY	369	
52	0238	K5UP	559	OK	GLEN	21	
53	0240	AB7TT	599	AZ	JOE	191	
54	0242	AB7OA	599	AZ	KENT	57	
55	0243	AI7R	599	AZ	DAVE	500mW	
56	0245	N5ALO	449	TX	BILL	415	
57	0251	AA0ZZ	559	MN	CRAIG	1238	
58	0253	KI0II	559	CO	RON	928	

73,

Bob KI7MN (ki7mn@dancris.com) Chandler, AZ

Grid DM43bi Lat 33.334500 Long -111.87260

NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL

<http://www.dancris.com/~ki7mn>

WIMPS: QSO's=19 30=19 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=6

Date: Thu, 15 Jan 1998 11:10:39 -0700

From: Steve Galchutt <n0tu@webaccess.net>

To: aweiss@sunflowr.usd.edu

Cc: "\"Low Power Amateur Radio Discussion\"" <qrp-1@Lehigh.EDU>

Subject: [999] Re: Bright Idea Award #1; RG174U; Balun loss; c.w. tone

Message-ID: <34BE511F.57A0@webaccess.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Boy Ade...That's what I call extremely fine-tuned, inverse, selective listening!

Adrian Weiss wrote:

> On copying c.w. -- I watched the old 160-hound Ernier K1PBW many times  
> copy DX signals that I could not hear. In fact, when I worked a  
> DX-pedition on Heard Island or somewhere on 160m back in the late '60s, I  
> could not even tell that a signal was present in the mud. He copied them  
> over my shoulder and told me when to go. His explanation: you don't listen  
> for a tone. You detune your auditory perceptors and listen to the noise.  
> It is a different "color" when the dots and dashes are there. I try that  
> all the time -- sometimes it works and sometimes it doesn't. For example,  
> last night I knew there was a FOX and when he was transmitting, but I  
> rarely ever heard a tone. Didn't make any difference -- I couldn't copy!  
>  
> 73 all  
> Ade W0RSP

--

CUL Steve/n0tu . .

Solar powered QRP/CW

"Camping" in Monument, CO....email:N0TU@webaccess.net

-----  
Date: Thu, 15 Jan 1998 10:22:24 -0800  
From: Erin Scott <ekscott@ibm.net>  
To: k5rov@worldnet.att.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [1000] Re: Internet Access Charges  
Message-ID: <34BE53E0.CA7@ibm.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Jim Parsons wrote:

>  
> The trouble is, its not the ISP that will end up paying the taxes, its we  
> the people. Any time taxation of a corporation is increased, who do think  
> ends up paying those taxes?  
>  
> >Good article but I think that the point needs to be made this isn't about  
> >taxing the dial up user it's about taxing the ISP who is providing



> >"Voice over IP" to help subsidize us rural folks who wouldn't have a phone  
> >if we had to pay for it by the mile. Voice over the internet has gotten  
> >a lot better in the last couple of years. It has also gotten alot  
> >CHEAPER to buy the equipment to do it. The reason for this tax is simple  
> >the line between ISP's and Phone companies is blurring quickly. If the  
> >ISP's want to play phone company let them pay taxes like the rest of us.  
> >--  
> >Erin Scott KK7GE  
> >ekscott@ibm.net  
> >KK7GE@N7UVH.#NID.ID.USA.NOAM  
> >  
> >"The Lord's Prayer is 66 words, the Gettysburg Address is 286 words,  
> >there are 1,322 words in the Declaration of Independence, but government  
> >regulations on the sale of cabbage total 26,911 words."  
> >  
> >-- From an article on the growth of federal regulations  
> >  
> >  
> >  
> James (Jim), Parsons, K5ROV USAF, Ret.  
> k5rov@worldnet.att.net QCWA, NWQRP, Fists, ARRL  
> EX: W1RLA, K5FBB, K4FEO, SVOWN (CRETE), SVOWN (RHODES),  
> DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).  
> JOHN 3:16

Your local telephone company gets taxed for all kinds of things already  
and you are right they pass that on to you. You missed my point though  
if the ISP's are going to use the Internet as a way of placing calls  
(Voice) from one place to another then they should pay the same taxes as  
the rest of the phone companies at this point they don't pay any taxes  
for voice over IP.

--  
Erin Scott KK7GE  
ekscott@ibm.net  
KK7GE@N7UVH.#NID.ID.USA.NOAM

"The Lord's Prayer is 66 words, the Gettysburg Address is 286 words,  
there are 1,322 words in the Declaration of Independence, but government  
regulations on the sale of cabbage total 26,911 words."

-- From an article on the growth of federal regulations

-----

Date: Thu, 15 Jan 1998 10:30:00 -0600  
From: Bob Tellefsen-CNSE97 <Bob\_Tellefsen-CNSE97@email.mot.com>

To: qrp-1@Lehigh.EDU  
Subject: [1001] Parts source  
Message-ID: <M2359882.003.u8sy2.1.980115183146Z.CC-MAIL\*/OU=LMPCC4/OU=ILBB/  
PRMD=MOT/ADMD=MOT/C=US/@MHS>

I've been collecting old derelict modems for a while now. My original intent was to use the housings for various construction projects.

I currently have my LDG QRP Autotuner in one, and it is a nice package.

Last night, in a period of idle poking around (with a hot soldering iron) on the boards of some of these modems, I recovered several 5v regulators, both the small size like plastic transistors, and the larger flat pack with a big heat sink tab on them. Also a number of 2N3904, 2N3906 and 2N2222 transistors. Lots of LEDs, electrolytics, and other capacitor types. Found several ferrite beads with the parallel holes through them for making 2 to 4 turn rf chokes.

The cases themselves are interesting. Several are drawn aluminum with both ends open where plastic end covers seem to have been snapped in place. I need to figure out how to secure metal panels, perhaps of PC board to close these ends. Then will have rf tight boxes. I'd like to build KD1JV's Spectrum Analyzer Scope Adapter in one if the fit is right. We'll see.

Anyway, I offer this as a source for cheap parts.

72 all,  
Bob N6WG and Ol' Kenwood

-----  
Date: Thu, 15 Jan 1998 9:51:00 -0600  
From: Bob Tellefsen-CNSE97 <Bob\_Tellefsen-CNSE97@email.mot.com>  
To: daniel@pandora.lugs.org.sg  
Cc: qrp-1@Lehigh.EDU  
Subject: [1002] Sidetone pitch  
Message-ID: <M2359881.002.u8sy1.1.980115183145Z.CC-MAIL\*/OU=LMPCC4/OU=ILBB/  
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Daniel:

I find that I prefer a lower pitch for two reasons.

1. I can separate nearby tones more easily in my head as the differences are more pronounced at lower frequencies. I like a pitch

around 550-600 Hz.

2. When I use my RIT to lower the pitch, then peak my variable bandpass tuning on my old Kenwood TS-180 (01' Kenwood), I find it cuts the background hiss very effectively. I'm using the Kenwood 500 Hz cw filter and a 270 Hz cw filter from IRC. A number of my inexpensive (let's face it, cheap) stereo headphones seem to emphasize higher pitches, so have to deliberately knock them down some.

Hope this helps some, Daniel.

72, Bob N6WG and 01' Kenwood

-----  
Date: Thu, 15 Jan 1998 13:51:25 -0500  
From: wsmith@cyberdrive.net (Wayne A. Smith)  
To: QRP-L@Lehigh.EDU  
Subject: [1003] Re:Homebuilt key  
Message-ID: <199801151851.NAA10918@nemesis.cyberdrive.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

The HOME SHOP MACHINIST is available at better bookstores like Borders. It is a bi-monthly publication and can be ordered by calling 1(800)447-7367. Lots of good information in every issue kinda like QQ and QRPP. 72 de K8FF

-----  
Date: Thu, 15 Jan 1998 12:00:39 -0700  
From: "Ron Smith" <resmith@primenet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [1004] Re: Internet Access Charges  
Message-ID: <03f201bd21e7\$f5c91540\$0922a5ce@primenet.com.primenet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Erin, this isn't a flame, I'm not complaining, but you have the wrong idea on what an ISP and voice over the Internet is. The only thing an ISP provides you is a point to log on to the Internet and in most instances a link the the news groups. That's it. Nothing else, nada. The voice communications is done by the "end user." The "end user" downloads the appropriate program(s) from the Internet or buys them from Egghead, Circuit

City, etc. then takes them home and installs them. The ISP doesn't have a "switch" that they throw to stop certain programs from running over the Internet. I know this because I have had the pleasure of working with two local ISP's in getting them up and running basically from the ground up.

Hope this help your understanding of what an ISP really is.

72

Ron

>and you are right they pass that on to you. You missed my point though  
>if the ISP's are going to use the Internet as a way of placing calls  
>(Voice) from one place to another then they should pay the same taxes as  
>the rest of the phone companies at this point they don't pay any taxes  
>for voice over IP.

-----  
Date: Thu, 15 Jan 1998 14:15:26 -0500 (EST)  
From: "Paul R. Valko" <prvalko@oakland.edu>  
To: QRP List <qrp-l@Lehigh.EDU>  
Subject: [1005] What a Great Day...  
Message-ID: <Pine.OSF.3.95.980115134858.28815B-1000000@vela.acs.oakland.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anybody remember Peter Pan?

<W8KC Singing...> I gotta croooooow! Awwwk Awwk BWaaaack!  
<W8KC dodges thrown vegetables/shoes, etc>

I got back in the office a little while ago and had a whole BUNCH of boxes from the mail carrier.

The first little box contained a new VHF power module for my ailing Kenwood TM-732a. I gotta replace that tonight.

The second middle-sized box contained a Bird 43 wattmeter I bought off a cellular company via a USENET post last week! I've always wanted one and I could not bring myself to pay so much for the beat-to-heck units seen at swaps. I took a chance on this because the fellow selling them claimed they were in very nice shape and it IS! It was something like \$140 and even included a 25W UHF slug.

The LAST BIG box was the killer! AN UNASSEMBLED Ten\*Tec MR-1 kit from 1971! Like new, still in the original box, just incredible... you'll probably see this at the FDiM Dinner this year.

73! =paul= W8KC  
Collector of Ten\*Tecs and other fine plastics

[www.acs.oakland.edu/~prvalko](http://www.acs.oakland.edu/~prvalko)

-----  
Date: Thu, 15 Jan 1998 11:12:02 -0700  
From: Kory Hamzeh <kory@avatar.com>  
To: DBrown@RFMD.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [1006] Re: Sierra Blue / Sierra Mods  
Message-ID: <3.0.5.32.19980115111202.009ddc50@ns1.avatar.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 07:40 AM 1/15/98 -0500, Derek Brown wrote:

>Gang,  
>  
>I plan to build some "accessories" (i.e. NorCal paddle) for my Sierra.  
> Has anyone come up with a paint color (preferably in a spray can)  
>which closely matches the dark blue cabinet on the Wilderness Radio  
>Sierra (not the light blue panel color)? If so, what brand & color?  
>

Hi Derek,

This is what QRPBob told me:

Rustoleum - American Accents  
Satin Finish - All Purpose Enamel  
Midnight Blue #7943  
Iris Blue #7933

Good luck!

Kory  
AC6RN

-----

Date: Thu, 15 Jan 1998 11:16:13 -0800 (PST)  
From: talljazz@teleport.com (Dan Presley)  
To: qrp-l@Lehigh.EDU  
Subject: [1007] Re: Sierra Blue / Sierra Mods  
Message-ID: <v01530514b0e3a19e5599@[206.163.124.23]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>  
>To: DBrown@RFMD.com  
>From: talljazz@teleport.com (Dan Presley)  
>Subject: Re: Sierra Blue / Sierra Mods  
>  
>I found a pretty close match at the local "Ace" hardware store. The brand  
>is "Now" spray paint (in a can), and the color is Royal Blue, # 21207. I  
>used this on my SLT, SST and Norcal paddle base-looks pretty darn close.  
>Dan N7CQR  
>

-----  
Date: Thu, 15 Jan 98 09:36:38 HST  
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)  
To: qrp-l@Lehigh.EDU  
Subject: [1008] Backpack Rig Advice = THANKS!  
Message-ID: <9801151936.AA06195@krypton.nmr.Hawaii.Edu>

All the great advice is appreciated. After reviewing the web pages many included in their notes, I called Wilderness Radio and I am sending off an order for a NorCal40a, the KC1 Keyer/Counter and the special front panel for the combination.

Now to work on an antenna design that does not require a tuner. Also I need to work out a miniature key and/or paddle. Oh yes, find that ten turn pot...

AH7R - Mike Burger, University of Hawaii at Manoa, Dept. of Chemistry  
HI-QRP #28 - QRP-L #1053 - FISTS #3225 - BL11ch - Honolulu County

PS The fellow at Wilderness said to say HI from "QRP BOB".

-----  
Date: Thu, 15 Jan 1998 14:21:50 -0500  
From: "Bob Kellogg" <ae4ic@nr.infi.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, "Roy  
Lincoln@cocentral.com" <cc1595@cocentral.com>  
Subject: [1009] Re: re.:Baluns,tuners,loss,etc.  
Message-ID: <199801151947.0AA15226@mailhost.infi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Roy,

No doubt, the approach you're using works best for QRP, but it does take some careful attention to the antenna system as a whole. That is, the Antenna, the transmission line and the tuner, if used. There just isn't any simpler way!

-----  
If one desires a balun between the coax and balanced feeder then coiled coax works as well as the method of using 50 cores around the outside of the coax.

There is an article in Antenna Compendium 5 which discusses the measurement of balun efficiency. It indicates that even the balun with the 50 cores has a "sweet spot", and when you move away from it's "design" frequency/impedance, losses increase.

Whoever said that a db or two doesn't matter at MF-HF, only at V/UHF failed to consider that as QRP'ers we can't afford to throw away any db's! Every db matters when signals are weak, as in working dx with small power. QRP'ers don't have the fade margin of higher power stations and 1 or 2 db makes the difference between a successful c

I certainly agree with you. I try to keep my tuner losses under .5 dB if possible.

CUL,  
Bob Kellogg, AE4IC, Greensboro, NC  
Probably, but not nececelery. -- Benny Hill

-----  
Date: Thu, 15 Jan 1998 20:04:14 +0000  
From: ea8yu Goran <rodriguez@jet.es>  
To: ku7y@sage.dri.edu, qrp-1@Lehigh.EDU

Subject: [1010] Re: Best Tone for Copying CW  
Message-ID: <1.5.4.32.19980115200414.00686a38@jet.es>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

So Ron perhaps your failing hearing is a good thing cw-ing!

Goran

At 15:06 14/01/98 -0800, you wrote:

>I was showing my kids how a filter worked in a RX. Let  
>them listen to what must have been 15 CW signals. Turned  
>the filter on and told them "OK, now you only hear 2  
>signals" (which was all I could hear).  
>  
>They looked at each other and me and asked how many I heard  
>again and I said two. They said they could hear over 8 or 9  
>different tones!!  
>

-----  
Date: Thu, 15 Jan 1998 14:12:08 -0600  
From: "JUNIUS B FOX" <w5hir@gte.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [1011] 6 meter operation  
Message-ID: <199801152013.0AA27537@smtp1.mailsvcs.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Seems like I'm always asking questions, but need some help.

I have never operated on 6 meters before, and have built  
up a Ten-Tek 2 meter to six meter transverter. I have been  
listening on the "calling frequency" of 50.125. The band  
is either dead or the transverter is. HI!..I have aligned everything and  
tested the receiver with an RF source, seems  
to a good one. So far, I have got what the little boy shot at,  
Zilch. I could sure use some ground rules for operating on six.

tnx,

Foxy



-----  
Date: Thu, 15 Jan 1998 13:13:51 -0700  
From: "Ron Smith" <resmith@primenet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [1012] Re: Internet Access Charges  
Message-ID: <045201bd21f2\$315ca7c0\$0922a5ce@primenet.com.primenet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I shared this with Erin earlier. Hope he enjoyed it as much as I did....

My ISP is being bought (merging) with a New York Long Distance Carrier. I guess if you can't beat 'em - buy 'em.

Th.. Th... That's All Folks!

72

Ron

-----  
Date: 15 Jan 1998 12:34 EST  
From: "Michael Babineau" <babineau@nortel.ca>  
To: dkayers@fly.HiWAAY.net, Larry.Cruise@MCI.Com, SBillingsley@usaninc.com, k5zty@juno.com, flyer@hooked.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [1013] re: Compact Loop Antenna's (DCTL)  
Message-ID: <199801152016.PAA62738@nss4.cc.Lehigh.EDU>

Hi :

I got a number of responses to my posting last week regarding DCTL loops.

I apologize for leading people astray. I got the right month and year for the magazine issue but the wrong magazine!

The correct reference is :

"Roll Your Own Compact 80 Meter Wire Loop"

Jim McLeLLand WA6QBU  
CQ Magazine, July 1994  
Pages 44-46

And just to clarify, these antennas can be used to transmit.

So for any of you who are restricted by Covenants or for other reasons forced to use stealth/indoor antennas, the DCTL is worth considering. It works pretty well and its very cheap.

Michael  
VE3WMB

P.S. I survived the storm here in Eastern Ontario.  
The city of Ottawa has returned to more or less normal operations. We were one of the lucky ones who had power the whole time. There are still many smaller communities outside of Ottawa that haven't had power since last Wed. Quebec is in pretty bad shape with about 900,000 people that are still without power.

-----  
Date: Thu, 15 Jan 1998 15:22:58 -0500  
From: "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>  
To: "INTERNET:ccart@dns.vidtel.com" <ccart@dns.vidtel.com>  
Cc: "Doc (W.D.) Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP Discussion Group <qrp-1@Lehigh.EDU>  
Subject: [1014] Re: Best Tone for Copying CW  
Message-ID: <199801151527\_MC2-2F6E-3A6E@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

Chris:

>>> Well I prefer a lower tone....not because I am all that good or old hand at CW--but simply because of losing over 60% of my hearing in multiple tours... <<<

>> Man! One of of the top fox hunters, and he has more than one ear tied behind his back! :) I seem to suffer just from selective-frequency-dependent-hearing loss. Just ask the X-XYL...

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com  
-- N3XRV ARRL-VE QRP WAS 28/13(w/c) | <http://dns.vidtel.com/~ccart> <<

Am lucky to hear much at all, as it turns out. Just had a complete (and I \*mean\* complete--stem to stern and back!) General Medical Exam here at Mayo. They discovered terrific hearing loss in both ears. If I use good headphones, can sometimes get it done. Never realised this was a problem until the GME (when I turned 55 on 1 Nov 97).

Have now become more sensitive about the possibility of stepping on others. I figure it may have happened inadvertently in the past. Now am being doubly careful, especially in the FOX hunts :-).

72/73,  
--Doc/K0EVZ qrp-1 861

-----  
Date: Thu, 15 Jan 1998 16:31:47 -0500 (EST)  
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>  
To: JUNIUS B FOX <w5hir@gte.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, Laurel ARC <larc-1@webtrek.com>, eax@w3eax.umd.edu  
Subject: [1015] Six meters - the MAGIC BAND!  
Message-ID: <Pine.LNX.3.95.980115161845.25467B-1000000@w3eax.umd.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

How to detect 6m activity?

There's not much to it, really.

Camp on 50.125, or scan between 50.125-50.150. Just listen for something, anything, to pop up. One day, it will.

The 6m beacons are also well-documented, and appear on numerous web worldwide.

Try this page for beacon links:

<http://pw2.netcom.com/~ac6v/pagead.html>

and on it you'll find a link to at least one worldwide list of 6m beacons.

There are a lot of them. They're between 50.000 and 50.100, for the most part. This is a CW-only part of the band.

When it's open, very little power and very little antenna can net you a

LOT of QSOs. A compact loop or half-wave dipole is perfectly adequate. A beam is better.

Oh yeah, FIGURE OUT HOW TO ANSWER SSB WITH CW - it's called crossmode, and since most folks up there use USB, it's good to have a rig that has a variable IF (so that the SSB isn't garbled or sounds like it's being sent from inside a trash can), as well as the ability to do CW in USB. To do this, practice with 2 radios - call in SSB on one, and listen for your reply (CW, of course) on the other.

THERE IS NO TABOO AGAINST CROSSMODE CONTACTS! On VHF+, SSB=FM=CW=MCW=AM.

WHY DO THIS IN ADVANCE?

-----

Many E-skip openings last for only a few minutes. Figuring out the right settings at that time will mean you'll miss the opening.

GOOD CHANCE TO PRACTICE - the VHF contest this weekend. Look between 50.125 and 50.175 for most of the activity, although if the band opens, it'll spread higher. And DON'T PARK ON THE 50.125 CALLING FREQ!!! Establish contact, and QSY. That's why it's called the "calling freq."

You should be able to test your 6m xverter tuning below the 6m band - 49.83 MHz is a good place to park - and listening to your cordless phone's or baby monitor's narrowband FM signal.

Yes, transmitting here with your transverter is illegal, and will probably destroy your baby monitor/phone's receiver. Welcome to the MAGIC BAND!

\* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*  
\* 6m 82 grids on 8w \* DXCC WAS WAC \* QRP-L #147 \* QRP ARCI #9054 \*  
\* <http://w3eax.umd.edu/~ham> \* ARRL Life Member /Laurel ARC/UMARA \*  
\*\*\* 301-549-1022 h 301-982-1015 w \*\*\* 35 wpm HF mobile CW Neon \*\*\*

On Thu, 15 Jan 1998, JUNIUS B FOX wrote:

> Seems like I'm always asking questions, but need some help.  
>  
> I have never operated on 6 meters before, and have built  
> up a Ten-Tek 2 meter to six meter transverter. I have been  
> listening on the " calling frequency" of 50.125. The band  
> is either dead or the transverter is. HI!..I have aligned everything and  
> tested the receiver with an RF source, seems  
> to a good one. So far, I have got what the little boy shot at,  
> Zilch. I could sure use some ground rules for operating on six.  
>  
> tnx,  
>

> Foxy  
>

-----  
Date: Thu, 15 Jan 1998 15:51:12 EST  
From: ARDUJENSKI <ARDUJENSKI@aol.com>  
To: qrp-l@Lehigh.EDU  
Subject: [1016] QRP XMTR  
Message-ID: <88a61467.34be76c3@aol.com>  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Hi folks,

In QRP CLASSICS there is a plan for a VXO CONTROLLED CW XMTR for 3.5-21. It was also in the 1990 ARRL HANDBOOK. It is 5 watt xmtr with a pair of MRF-476's as finals. Two questions:

1. Has someone out there built this rig and can comment on its performance?
2. There is a list of component changes for each band (80,40,30,20,and 15. It appears it would be easy to construct so you had modular boards to plug in and out (like the Sierra) to change bands. Are there any particular problems I might encounter taking such an approach?

Thanks in advance for your input...Alan KB7MBI

-----  
Date: Thu, 15 Jan 1998 20:57:31 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [1017] Mechanical Filters; Homebrew?  
Message-ID: <34BE783B.1A0A@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Pages 70 thru 73 of the FIRST EDITION: "Secrets of RF Circuit Design" by Joseph J. Carr, the author provides some details and a photograph of his homebrew mechanical filter.

Boy, I'd sure love to get good at making these! Does anyone out there in QRP-l land have any knowledge at all about these mechanical filters?

I remember back in my CommInt days with the service, using the ol' R390A with 800 hz mechanical filter! Man that little reed was tight! I rarely used it though, but quite the experience!

I don't care if I have to melt nails and hand role my own steel. 1000 turns of wire on a flexible strand of hair under a microscope. If 'they' can do it, so can I!

Anyone else Game?

-Ed

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.  
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR  
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

-----  
Date: Thu, 15 Jan 1998 21:07:35 +0000  
From: ea8yu Goran <rodriguez@jet.es>  
To: qrp-l@Lehigh.EDU  
Subject: [1018] RG174 versus balanced feeder  
Message-ID: <1.5.4.32.19980115210735.006a996c@jet.es>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit

With backpacking lengt of feeder (25 or so) RG174 will have 1 dB of loss at 14 MHz when SWR <=2. A balanced feeder will be very much more efficient, but needs a tuner. What would the system loss of balanced line + tuner be?

For size and wheight it would be difficult to beat the RG174 - at least if you use the old Heathkit way with RCA phono contacts.

Saludos

Goran ea8yu

-----  
Date: Thu, 15 Jan 1998 15:22:57  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-l@Lehigh.EDU  
Subject: [1019] Re: battery query  
Message-ID: <3.0.3.16.19980115152257.2bbf9812@mailhost.ncia.net>

Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I would think you could take apart an official charger and determine the DC voltage which is used to power the charging circuit. (might be about 12 volts) if so, just tap the solar panel across the AC filter cap and you should be all set. Might as well use an off the shelf charger than try to build something from scratch.

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

-----  
Date: Thu, 15 Jan 1998 13:11:47 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: ki6ds@dpol.k12.ca.us  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [1020] Re: Tuna Tin 2 Revisited  
Message-ID: <Pine.SUN.3.90.980115130631.4881A-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Doug and all,

Thanks for the info. I must read too many magazines.....I can never remember what's been done already!!

Thanks for pointing that out.

One question I've always had.....how many people really built a Tuna Tin 2 and how many are still around??

During a chat with Paul Harden he thought it might be nice to have a lot of pictures of Tuna Tin 2s.....So gang, if you have a Tuna Tin 2 and can find it, take a picture of it and send it to me. Include a note talking about it's history and etc. If all you have left is a picture of one, send that too.

Address to mail the info to me is:

Monte Ron Stark, KU7Y  
3320 Nye Drive  
New Washoe City  
NV 89704

Thanks to all,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----

Date: Thu, 15 Jan 1998 13:26:26 -0800 (PST)  
From: Philip Karras <ke3fl@yahoo.com>  
To: qrp-l@Lehigh.EDU  
Cc: cw@qth.net  
Subject: [1021] KE3FL Programs Available  
Message-ID: <19980115212626.3353.rocketmail@send1a.yahoomail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

This is to inform you all that my programs on Jpole design, Power out  
an Antenna with dipole bandwidth section, and International Morse Code  
practice are now available on my web site at:

<http://www.qsl.net/ke3fl>

I've used the power output program a number of times to help folks  
here understand where the power goes.

Enjoy & let me know what you think.

73 de KE3FL

==  
Phil K  
home: ke3fl@juno.com  
work: pxk4@cdrrh.fda.gov (FDA use only please)  
Alt: ke3fl@yahoo.com  
Web: <http://www.qsl.net/ke3fl>



-----  
DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

-----  
Date: Thu, 15 Jan 1998 13:56:17 -0800  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: qrp-1@Lehigh.EDU  
Subject: [1022] TunaTin2 Circad File  
Message-ID: <3.0.1.32.19980115135617.00c34efc@dpol.k12.ca.us>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I have the Tuna Tin 2 drawn in Circad. If you want a copy of the file, send me email and I will send it to you as an attached file. It is drawn as a schematic file only, and I have not developed a circuit board. You will need a copy of CirCad to view it. It is a demo file that is available free at the Holophase site. I also need some help from the Web Gurus. How can I put the file on the web? I can save it as a DXF file (autocad) and have HiJack 95, but when I convert the DXF file to other formats it doesn't look good. Any suggestions out there? 72, Doug, KI6DS

-----  
Date: Thu, 15 Jan 1998 14:52:39 -0600  
From: "Phil, K6LS" <k6ls@prolynx.com>  
To: Bob\_Tellefsen-CNSE97@email.mot.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [1023] Re: Parts source  
Message-ID: <34BE7717.6F1F0F5D@prolynx.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Bob Tellefsen-CNSE97 wrote:

> I've been collecting old derelict modems for a while now. ....  
>  
> Anyway, I offer this as a source for cheap parts.  
>

You have just given out one of the secrets to swap meet shopping....

I have and do the same thing for salvaging parts.. and it doesn't cost any thing! lots of people are willing to just give the old 1200 (and slower) modems away...they are loaded full of parts that can be reused. And if you hang around until the end of a swap meet you can find all kinds of salvageable parts that no one wants to take home with them. Don't forget other pcb electronics, old computer motherboards, networking cards and the like.

You'll be surprised at what you can find and how much you save.

--

73 de Phil, K6LS

k6ls@qsl.net <or> k6ls@amsat.org  
http://www.qsl.net/k6ls  
http://www.prolynx.com/k6ls  
DM79oq, Arapahoe County, Colorado  
ITU zone 7, CQ zone 4  
QRP-L #612 NorCal #824  
CQC #471 ARCI #8866

-----  
Date: Thu, 15 Jan 1998 15:56:11 -0600 (CST)  
From: "Phillips Richard" <phillips@msoe.edu>  
To: Ed Loranger <we6w@qsl.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [1024] Re: Mechanical Filters; Homebrew?  
Message-ID: <Pine.OSF.3.96.980115155130.23292A-100000@torres.msoe.edu>  
Mime-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I sure would be interested in building my own mech. filter. I once worked at a place that made them (not Collins) but never paid much attention to them (dumb). It seems they contained a series of metal discs that were connected with a rod and a coil or solenoid on each end. I understand that the size of the discs determined the center frequency and had to be precision machined. I have access to a machine shop and would be interested in trying to make one, but I would need a good drawing.

Richard Phillips  
Lab Technician  
Milwaukee School of Engineering

414-277-7388, phillips@msoe.edu

-----  
Date: Thu, 15 Jan 1998 15:03:59 -0600  
From: "Phil, K6LS" <k6ls@prolynx.com>  
To: w5hir@gte.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [1025] Re: 6 meter operation  
Message-ID: <34BE79BF.B326AD8B@prolynx.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Don't worry, if you have done a proper job of setting up the transverter it probably is working just fine.. I know because I built the same transverter and had the same results :-)

6m is, as you'll come to find out, a mysterious band. For days you may not hear a thing and out of nowhere, there will be a flood of signals. Hang in there, something will happen soon...If you listen this weekend there will be signals on due to the ARRL VHF Sweepstakes contest.

I am having similar problems on 6m here, but most likely due to the fact that I just put up a 5 element beam, so the band may be dead for quite some time ;-)

--  
73 de Phil, K6LS

k6ls@qsl.net <or> k6ls@amsat.org  
<http://www.qsl.net/k6ls>  
<http://www.prolynx.com/k6ls>  
DM79oq, Arapahoe County, Colorado  
ITU zone 7, CQ zone 4  
QRP-L #612 NorCal #824  
CQC #471 ARCI #8866

JUNIUS B FOX wrote:

> Seems like I'm always asking questions, but need some help.  
>  
> I have never operated on 6 meters before, and have built  
> up a Ten-Tek 2 meter to six meter transverter. I have been  
> listening on the " calling frequency" of 50.125. The band

> is either dead or the transverter is. HI!..I have aligned everything and  
> tested the receiver with an RF source, seems  
> to a good one. So far, I have got what the little boy shot at,  
> Zilch. I could sure use some ground rules for operating on six.  
>

-----  
Date: Thu, 15 Jan 1998 14:10:47 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: ki6ds@dpol.k12.ca.us  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [1026] Re: QQ arrives in Dos Palos, Wow!!  
Message-ID: <Pine.SUN.3.90.980115135851.5164D-1000000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 15 Jan 1998 ki6ds@dpol.k12.ca.us wrote:

> My issue of QQ came in the mail yesterday, and my reaction is Wow!!  
> Congrats to Ron and all the crew for an excellent issue.

\*\*\*\*\*much sniped\*\*\*\*\*

> Good job guys, thank you for your efforts. 72, Doug, KI6DS

>From the whole crew, Thank You Doug.

People who know both Doug and I know this story but I think there  
are many out here that don't. So here goes....

Back when I was thinking about taking over as the managing editor  
for the QRP ARCI Quarterly one of the first things I did was to  
call Doug!

I had never done anything like this before and sure don't have  
the spelling and grammer skills I thought were needed. I was a  
little scared too!

Doug told me that he would give me all the help he could and that  
I could call him any time to talk about anything. This was one

of the reasons I took on the job.

Over the past 2+ years that I have been doing this, Doug has been good to his word! There really isn't any way to thank him enough for all his help.

We also disagree sometimes but because we are good friends we can do that and still enjoy each other!

The point is that when Doug says something as nice as he did about the Quarterly, and the ARCI, it really means a lot to me.

Thank you Doug!

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----

Date: Thu, 15 Jan 1998 17:11:51 EST  
From: ARDUJENSKI <ARDUJENSKI@aol.com>  
To: qrp-l@Lehigh.EDU  
Subject: [1027] VENDORS SITE  
Message-ID: <cb05b07.34be89a9@aol.com>  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Some of you this may be old hat but it took me a while to get here. Just starting experimenting with circuits. So looked for a local source of Amidon cores. The only place that handles or orders them said I missed their semianual order to Amidon. A separate order would cost me \$25 PER CORE. Hey, that turnip truck passed by before and I just didn't fall off yesterday.

Making s short story long. I found AMIDON (or their authorized rep) with no minimum order and they only have a \$2 handling charge for orders under \$20. I have included it here for you that can use this information.

<http://Bytemark.com/amidon/> <A HREF="http://Bytemark.com/amidon/">Amidon Associates Product Catalog</A> (click here)

Also, there is a VENDORS SITE where I found the above that may be of assistance to some of you. It is as follows:

<http://bro.net/explorer/vendor.html>

<A HREF="http://bro.net/explorer/vendor.html">Amateur Radio ~ Vendors </A>  
(click here)

>From the great Northwest.....Alan KB7MBI

-----  
Date: Thu, 15 Jan 1998 17:38:08 -0500 (EST)  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
To: Bob Kellogg <ae4ic@nr.infi.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [1028] Re: re.:Baluns,tuners,loss,etc.  
Message-ID: <Pine.SOL.3.94.980115172133.5211D-100000@larry>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

> I certainly agree with you. I try to keep my tuner losses under .5 dB if  
> possible.

0.5 dB represents a little over 10% power loss. Every type of network has some inherent loss, and when combined with losses through stray C and L via connecting wires, etc. should amount to no more than about 5% of power (or 0.22 dB). More than this indicates that the tuner is effecting a match with non-optimal values, which may be a function of limitations in the tuner design, such as stepped inductances, Cmax or Cmin limitations, etc. Experimenting with line length to find other values of impedance presented to the tuner for a possible improvement in efficiency is always in order. So too is changing the tuner design--or the tuner design used.

Certainly, the difference between 0.22 and 0.5 dB of lost power is too little to be heard. In the field, it is not something to get in the way of fulfilling the purpose of the field exercise: making contacts. It is something to think about in more relaxed times at the home QTH, when thoughts of improvements can be more leisurely and thorough, and every modicum of improvement contributes eventually to more sensitivity on receive and more signal strength for the power used on transmit.

-73-

LB, W4RNL

-----  
Date: Thu, 15 Jan 1998 17:06:46 -0500

From: "Ronald Hands" <rhands@hwcen.org>  
To: <qrp-1@Lehigh.EDU>  
Subject: [1029] Re: What CW tone do you prefer?  
Message-ID: <199801152236.RAA27850@hwcen.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

MFJ's 784b DSP does a good job of nailing down CW tone preferences.

If the unit is set up for a very tight bandwidth -- say, less than 100 hz -- then it's possible to experiment with different center frequencies to see which one sounds most pleasing.

Using the "talk" feature, one can command the DSP to report its center frequency and bandwidth so there's no guesswork about what is being heard. It "talks" in CW.

I use two Ten-Tec rigs which have a nominal 750 hz offset, but, like many others, I really prefer a lower note. Although I have 500 hz and 250 hz filters in my Corsair II, I find I much prefer the 500, probably because I can listen to a lower note and still be comfortably within the filter passband.

-- Ron VE3SP

-----  
Date: Wed, 14 Jan 1998 20:06:49 -0500  
From: n2beg@juno.com (Douglas E. Stewart)  
To: KB9RPD@aol.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [1030] Re: Tuna Tin (can) radio?  
Message-ID: <19980115.173023.3902.0.n2beg@juno.com>

Ahhhhh the Tuna-Tin- 2... Early 80s I think ..QST.. someone Im sure has that one still. My first wack at qrp, still at it ( though not because it worked). I think it was rock bound xmit , DC receive, hell the guy that designed it is probably here!! ?? what a great list, as long as you can stand the heat on occasion.

73z, Doug, N2BEG qrp-1 # 850, etc...

-----  
Date: Thu, 15 Jan 1998 17:26:39 EST  
From: K5BDZ <K5BDZ@aol.com>

To: kd1jv@moose.ncia.net, qrp-l@Lehigh.EDU  
Subject: [1031] Re: battery query  
Message-ID: <a0a4b83f.34be8d21@aol.com>  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

I suggest you use a series diode in positive line from solar panel to power supply..protection for solar panel (and your pocket book) I suggest something like high amperage Germanium or other similar low voltage drop device  
Bill, K5BDZ

-----  
Date: Thu, 15 Jan 1998 14:49:49 PST  
From: "Ray Lowe" <wd5dhk@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [1032] Re: Internet Access Charges  
Message-ID: <19980115224949.12153.qmail@hotmail.com>  
Content-Type: text/plain

Starting next month,my cell phone provider is adding 55 cents/ month onto the bill in order to provide money for schools to be funded for internet access.  
72 Ray

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

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Date: Thu, 15 Jan 1998 17:55:50 -0500  
From: Elmar Vaheer <ekv@erols.com>  
To: Low Power Radio Discussion Group <qrp-l@Lehigh.EDU>  
Subject: [1033] Web page links are mixed up  
Message-ID: <34BE93F6.DF83C43D@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

QRP-L Archive by thread at  
<http://listserv.lehigh.edu/lists/Archives/qrp-l/>  
when I point to a message and click a different message comes up. I think the links are mixed up or is there something wrong on my end?

72 73 de Elmar KB2VTN



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Date: Thu, 15 Jan 1998 16:09:02 -0700 (MST)  
From: Bob Hightower <ki7mn@dancris.com>  
To: wd5dhk@hotmail.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [1034] Re: Internet Access Charges  
Message-ID: <199801152309.QAA10586@user2.dancris.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 02:49 PM 1/15/98 PST, you wrote:

> Starting next month, my cell phone provider is adding 55 cents/ month  
> onto the bill in order to provide money for schools to be funded for  
> internet access.  
> 72 Ray  
>

This is for the Universal Service Fund mandated by the Congress. It is to provide funds to offset some of the cost for providing internet access for public schools and libraries. Roughly 5% of the amount you spend on interstate long distance calling. Some providers may just flat rate it, as the amount paid by them to the USF is just a guess, at present. As time goes on, the contributions are expected to go down, but I'm not going to hold my breath.

This is not, however, a charge for using the internet.....just an added fee for making interstate long distance calls.

Internet Service Providers are specifically exempted from having to contribute to the fund.

73,  
Bob KI7MN (ki7mn@dancris.com) Chandler, AZ  
Grid DM43bi Lat 33.334500 Long -111.87260  
NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL  
<http://www.dancris.com/~ki7mn>  
WIMPS: QSO's=19 30=19 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=6

-----  
Date: Thu, 15 Jan 1998 18:20:41 -0500  
From: Mel Evans <MelEvansGM6JAG@compuserve.com>

To: qrp-1 <qrp-1@Lehigh.EDU>  
Subject: [1035] English before writing, and other matters!  
Message-ID: <199801151821\_MC2-2F76-5AA0@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Hi gang,

One of the postings regarding the above came from a ham who was, like myself, a professional writer, published in general interest magazines, feature newspaper articles and in my case specialist ham radio and caravanning magazines.

His critique of the critique was perfectly valid, and if I had received a public mauling of this order, it's doubtful if I would have ever written anything again, far less submitted it.

The real secrets of writing for publication can be learned by virtually anyone with any iota of intelligence, and a short writing course is available in many community education programmes. I will pass on three basics for the benefit of anyone who is thinking of writing an item for publication.

1) Research your marketplace, is it likely the magazine accepts your type of article?

2) Tailor the language to suit the reader. An item suitable for thesis for a Ph.D won't sell to a girlie mag ---well unless the photos are good! (HI=)

3) Ask the publisher if he has an author's guide, e.g. write to ARRL for the guide for QST and you'll see what I mean.

Very few of the general interest articles submitted to specialist mags are ever used, the editor can do these himself if he wants to, usually in his editorial column. In this day and age of computers, use an american english spell-check carefully if submitting to a UK publication, and vice versa of course. Finally, don't give up, eventually you may just land an article =

on  
a desk when one is needed and BINGO!

Other matters.....

It's happening again guys. This time I'm gonna place all the names on a list in my window for all the world to see as they go by, then they'll all know just which ones of you persist in quoting two A4 size pages of text from a previous message with "Way to go" tagged on as a comment. This doubles the size of the list especially in Digest form! THINK BEFORE YOU QUOTE!

72 and 73 de Mel  
GM6JAG  
EDINBURGH, Scotland UK  
Home of the last HW9

-----  
Date: Thu, 15 Jan 1998 17:34:08 EST  
From: nilsbull@juno.com  
To: QRP-L@Lehigh.EDU  
Subject: [1036] Sidetones, antennas, loops, badgers & critical readings & Message-ID: <19980115.223432.7799.2.nilsbull@juno.com>

Hola amigos,

Let's see . . . I modified that saw-tooth sounding side tone in the Argosy so it's now more like a multidimensional sine-wave around 750 Hz (which I think is the receive offset on CW). It's really nice for me 'cause I've got just about everything else set up for that offset. The Drake TR7 was about 800 Hz, back when, but I've moved that too . . . I think . . . Either way, it's what I like, dimbulb that I am.

I do remember many years ago using the MFJ audio filter with all the knobs & buttons in conjunction (not a conjuntion, you'll notice) with an NE570 compandor chip to really pull the little teensy-weensy signals out of very narrow places. Somewhere along the line that got dropped or removed and I've since seen that I need (as time goes on any my brain turns to mush) some background hiss or something to hear the signal against. (And we're talking CW, right?) But all this talk about it has me thinking again and I may have to check out the psychoacoustic lab dudes. Neat research they're doing.

(Once I watched a researcher put the headphones on his toddler son's head and walk into the room where the "artificial ears of SCIENCE!" were

sitting on a chair. As the researcher guy walked around the room and talked to his son (on the other side of a wall, unable to see his father), the little boy would turn around to look where he thought his father would be. When ol' dad ran up to the microphones (in the dummy ears) and made the usual "I'm gonna tickle you!" bit, the youngster would hedge back and put his hands up to keep his dad from getting to him, although his dad was on the other side of a wall. Funny stuff the ears will play on us, I guess. Which means we can say "My ears deceived me" as easily as we say "my eyes deceived me.")

Now about big loop antennas, I remember distinctly a long-ago QST article about a guy who had a full size 80m quad antenna on the grounds of his estate. Had a big chunk of metal boat mast (probably like the new cell towers are made today) with this huge set of yardarms and other accoutrements for the antenna. A monster gear driven doodad to turn it too. Some people need a life, you know? (Which reminds me of the old [pre-1959 or so] Radio Nederland antenna: two towers separated from each other by a certain antenna-ish distance, each tower riding on a sort of rail-road car deal that sat on a circle of rail road track. They rotated the antenna by jockeying the towers around the track. Even had a big booklet back then [in Dutch, of course] that showed the antenna and transmitter site. And some stuff about their first studios being in a converted house in some part of Hilversum. Reminded my father of his days in early radio, when the back of the transmitter box was open to the inspection of the guy who was sitting on the toilet.)

And I guess some folks think that "critical thinking" means you have to cut everyone to the last drop of whatever blood's left from the initial flaying. And all this time I thought it meant paying attention to the message as well as the messenger.

But what do I know about literacy?

Nice weekend comin' up. Maybe I'll get on the air some more and talk to more people with Pixies or Tixies or Tuna Transmittin' doodads. (Tom Ebbert used to have one . . . I wonder if my spy-radio-lunch bucket set up counts as that kind of stuff . . . )

73 & stay well, y'all.

Nils

WB8IJN &c

. . . and all my radio magazines arrived and I had to take out all the staples and mix 'em up so I could get the real meanin' of all that stuff about radios and stuff . . . kinda like Burroughs with the scissors and cut up parts of a short story all poured onto the floor and pasted together like a puzzle . . .

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Date: Thu, 15 Jan 1998 23:24:44 +0000  
From: Stephen John Farthing <stephen@stevef.demon.co.uk>  
To: qrp-1@Lehigh.EDU  
Subject: [1037] info on SUNAIR GSB 900 TCVR wanted  
Message-ID: <mcrp0CA8qpV0EwEt@stevef.demon.co.uk>  
MIME-Version: 1.0

My apologies for the non QRP enquiry however a friend has just purchased the above radio. Any info especially the connections at the back for power and the like greatly received

Tnx

--

Stephen John Farthing MBCS GOXAR  
Melksham, Wiltshire UK  
RSGB G-QRP 7766

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Date: Thu, 15 Jan 1998 16:22:04 -0700  
From: Steven Ciciora <scicior@uswest.com>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [1038] PCB Board program (again...)  
Message-ID: <34BE9A1C.678@minmail.uswc.uswest.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I know it's been discussed in the past, but this is a great group that has always been very helpful. I know that a lot of people have been evaluating 'free' or 'shareware' or 'evaluation' PCB design software. Has anyone run across one that has a template for an AT PCB? I can tolerate a lot of user-unfriendliness for the above two requirements (footprint and cheap).  
Thanks for your time,

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Date: Thu, 15 Jan 1998 18:45:35 -0500  
From: "Ken Hanks" <kennfd@ibm.net>  
To: <ki7mn@dancris.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [1039] Re: Internet Access Charges  
Message-ID: <01bd220f\$acd2ec80\$c5d148a6@kh>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

My local phone company, Southern New England Telephone, sent notice that the surcharge on the second phone line was going from \$3.50 to \$5.00. No mention of computer or the internet. This is in addition to the \$13.50 per month basic rate for the line.

I think that the local and regional phone companies all missed the boat on the internet. Only recently are they upgrading their systems to handle the traffic. The telcos never anticipated people using the phone for hours for internet connections.

Just MHO

73,  
Ken K1XS@ibm.net

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Date: Thu, 15 Jan 1998 16:51:53 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-l@Lehigh.EDU  
Subject: [1040] Re: RG174 versus balanced feeder  
Message-ID: <199801152351.QAA06040@usr02.primenet.com>

Howdy,

Goran (EA8YU) wrote:

>  
> For size and wheight it would be difficult to beat the RG174 - at least if  
> you use the old Heathkit way with RCA phono contacts.

Let me try this idea out on you antenna gurus. Being a backpacker I like to minimize weight. Being a QRP freak, I like to maximize radiated power. Just got my ZM-2 tuner in the mail last night (wahoo!) and read the bit about using a random wire antler with it - just plug the wire in the "hot" side of the balanced feed connector and the counterpoise into the ground side.

The question: Since I can get over a full wavelength of wire in the air and have it weigh less than any feedline/dipole/raised vert combo, is the longwire a good solution?

Sure I'll try it out, but I'm curious in advance. The idea of 2 wavelengths (on 40m, 4 on 20m, etc) high in the air for less weight than a dipole/vert with feedline is very appealing, especially if it's not any less efficient.

Time to give the winter gear a final check. WX for the weekend looks good, hope to see some elk!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"... Let it snow, let it snow, let it snow!"

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End of QRP-L Digest 971

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